

TARIFF ACTION MEMORANDUM

File No.: TA390-121 and TA512-8

Date: November 1, 2021

Date Filed: September 27, 2021

Statutory End Date: November 12, 2021

Utility: Chugach Electric Association, Inc.

Description: COPA SFPPR

Synopsis of Filing:

Chugach Electric Association, Inc. submits its Cost of Power Adjustment and Small Facility Power Purchase Rate update for the period beginning October 1, 2021 for the North District (TA390-121) and the South District (TA512-8). Chugach Electric Association, Inc. also submits an update to the Beluga River Unit Contributed Capital Rebate and Surcharge and Restricted Rate Reduction Account Rebate.

Tariff Recommendations:

The Commission should:

1. Suspend TA390-121 into Docket No. U-19-085.
2. Suspend TA512-8 into Docket No. U-19-091.
3. Approve the Cost of Power Adjustment surcharges and Small Facility Power Purchase Rates on an interim and refundable basis, effective October 1, 2021.
4. Approve Tariff Sheet Nos. 67 through 73, and Tariff Sheet No. 103, filed September 27, 2021, by Chugach Electric Association, Inc. with TA390-121, as shown on the attached side-by-side tariff sheets (BA-1). The effective date of the tariff sheets should be October 1, 2021.
5. Approve Tariff Sheet No. 66, filed October 28, 2021 by Chugach Electric Association, Inc. in TA390-121, as shown on the attached side-by-side tariff sheets (BA-1). The effective date of the tariff sheet should be November 1, 2021.
6. Approve Tariff Sheet Nos. 93, 94.04, 94.05, 94.1, 94.1.1, 94.1.2, 95.04, 95.05, 96, 97, 97.1.4, 97.5.2, and 97.6.1, filed September 27, 2021, by Chugach Electric Association, Inc. with TA512-8, as shown on the attached side-by-side tariff sheets (BA-2). The effective date of the tariff sheets should be October 1, 2021.
7. Approve Tariff Sheet Nos. 94, 95, and 95.5, filed October 28, 2021, by Chugach Electric Association, Inc. in TA512-8, as shown on the attached side-by-side tariff sheets (BA-2). The effective date of the tariff sheets should be November 1, 2021.

Reason(s) for the above-indicated recommendations: See attached memorandum.

Signed: Becki Alvey
Becki Alvey

Title: Utility Tariff Analyst

Commission decision regarding these recommendations:

	<u>Date (if different from 11/1/2021)</u>	<u>I CONCUR</u>	<u>I DO NOT CONCUR</u>	<u>I WILL WRITE A DISSENTING STATEMENT*</u>
Pickett	_____	<u>RMP</u>	_____	_____
Kurber	_____	<u>KKZ</u>	_____	_____
Scott	_____	<u>AGS</u> AGS	_____	_____
Sullivan	_____	<u>RMP</u> for DS	_____	_____
Wilson	_____	<u>JWW</u> JWW	_____	_____

*If this column is initialed, Staff will contact the Commissioner for the statement; otherwise, the dissent will simply be noted at the close of the By Direction letter or order.

TARIFF ACTION MEMORANDUM

Date: November 1, 2021

From: Becki Alvey, Utility Tariff Analyst

Subject: TA390-121 and TA512-8, Chugach Electric Association, Inc.
COPA and SFPPR

STATEMENT OF CASE

Chugach Electric Association, Inc. (Chugach) submits its Cost of Power Adjustment (COPA) and Small Facility Power Purchase Rate (SFPPR) update for the period beginning October 1, 2021 for the North District (TA390-121) and the South District (TA512-8). Chugach Electric Association, Inc. also submits an update to the Beluga River Unit (BRU) Contributed Capital Rebate and Surcharge and Restricted Rate Reduction (RRR) Account Rebate.

RECOMMENDATIONS

The Commission should:

1. Suspend TA390-121 into Docket No. U-19-085.
2. Suspend TA512-8 into Docket No. U-19-091.
3. Approve the COPA surcharges and SFPPRs on an interim and refundable basis, effective October 1, 2021.
4. Approve Tariff Sheet Nos. 67 through 73, and Tariff Sheet No. 103, filed September 27, 2021, by Chugach with TA390-121, as shown on the attached side-by-side tariff sheets (BA-1). The effective date of the tariff sheets should be October 1, 2021.
5. Approve Tariff Sheet No. 66, filed October 28, 2021 by Chugach in TA390-121, as shown on the attached side-by-side tariff sheets (BA-1). The effective date of the tariff sheet should be November 1, 2021.
6. Approve Tariff Sheet Nos. 93, 94.04, 94.05, 94.1, 94.1.1, 94.1.2, 95.04, 95.05, 96.97, 97.1.4, 97.5.2, and 97.6.1, filed September 27, 2021, by Chugach with TA512-8, as shown on the attached side-by-side tariff sheets (BA-2). The effective date of the tariff sheets should be October 1, 2021.
7. Approve Tariff Sheet Nos. 94, 95, and 95.5, filed October 28, 2021, by Chugach in TA512-8, as shown on the attached side-by-side tariff sheets (BA-2). The effective date of the tariff sheets should be November 1, 2021.

BACKGROUND

Chugach is the largest electric utility in Alaska, with approximately 31,000 retail metered locations in the North District and approximately 82,000 retail metered locations and one wholesale customer, Seward Electric System (SES) in the South District.¹ Expenses associated with electric services include fuel used to generate electricity and power purchased from others. Chugach is authorized by the Commission to recover fuel and purchased power costs through the fuel and purchased power adjustment process, which is adjusted quarterly to reflect increases and decreases of such costs.

On November 5, 2018, the Commission issued Order No. U-18-102(1), opening an investigation into the BRU management practices of the Municipality of Anchorage d/b/a Municipal Light and Power (ML&P). On April 18, 2019, the Commission issued Order No. U-19-020(1) and Order No. U-19-021(1) to address Chugach Electric Association Inc.'s (Chugach) petition to acquire most of ML&P's assets and ML&P's request for amendment of its certificate, respectively. Docket No. U-18-102 was consolidated with Docket Nos. U-19-020 and U-19-021, on May 8, 2019, with Order No. U-18-102(8)/U-19-020(2)/U-19-021(2). In that order the Commission designated Chugach as a party to Docket No. U-18-102. On May 28, 2020, the Commission issued Order No. U-18-102(44)/U-19-020(39)/U-19-021(39), conditionally approving the transaction and requiring a number of filings. In addition, in the Commission's discussion of the transfer of Certificate No. 121 to Chugach, the Commission imposed four conditions including that Chugach file tariff revisions under which all Chugach ratepayers will be billed under the same COPA surcharge calculation, including unified gas transfer price (GTP) no later than 45-days before January 1, 2021.²

On August 26, 2020, Chugach filed TA492-8, TA493-8, TA494-8, and TA495-8, proposing methodologies for the RRR Account, BRU Contributed Capital surcharge and rebate, unified GTP, and unified COPA, respectively, in compliance with Order No. U-18-102(44)/U-19-020(39)/U-19-021(39). On November 5, 2020, the Commission issued Letter Order Nos. L2000397, L2000395, and L20000399, approving the Tariff Sheets filed with TA492-8 and TA493-8, and approving the unified COPA methodology, respectively. On October 9, 2020, the Commission issued Order No. U-19-085(19)/U-19-091(18)/U-20-071(1), suspending TA494-8 and consolidating the new docket with Docket Nos. U-19-085 and U-19-091. These dockets are currently pending before the Commission.

Chugach now submits TA390-121 and TA512-8, its unified COPA and SFPPR update for the period beginning October 1, 2021, for the North District and South District, respectively. In accordance with historic Commission practice,³ a publication notice was not issued for TA390-121 and TA512-8.

¹ See tariff advice letters for TA390-121 and TA512-8, at page 2. Staff notes that the North District is the area served under Certificate of Public Convenience and Necessity (Certificate) No. 121 and the South District is the area served under Certificate No. 8.

² See Order No. U-18-102(44)/U-19-020(39)/U-19-021(39), at page 58.

³ One reason the Commission forgoes publication notice for COPA filings is 3 AAC 52.504(d) which states "[f]or a COPA filing under (b) of this section, an electric utility is not required to give public notice under AS 42.05.411..." this allows a utility to implement a COPA upon filing, rather than waiting the 45-days specified in AS 42.05.411 to ensure adequate notice to the public of a tariff revision.

ANALYSIS

COPA

Proposed revisions to the COPA surcharges are reviewed under 3 AAC 52.504, which requires information supporting entries in the balancing account for the historical period, and support for projections for the future period.⁴ Chugach segregates the retail COPA surcharge into a fuel component and a purchased power component and updates the distribution-level losses of retail customers served between Primary and Secondary voltage levels.⁵

Calculation of the COPA consists of two parts. The first part includes a 3-month estimate of kWh sales, power costs, and revenue offsets. Chugach submitted supporting documentation for the projected period of October through December 2021. The second part includes documentation supporting the estimated balancing account entries for July through September 2021.⁶ Chugach provided actual usage, generation, cost and sales data for the period of April through June 2021, including invoices and spreadsheets supporting the balancing account entries. Staff notes that Chugach also submitted the actual usage, generation, cost and sales data for the period of April through June 2021.

COPA Surcharge Increase

Tariff Sheet Nos. 69 and 94.1 Primary Service⁷

With TA390-121 and TA512-8, Chugach proposes a retail service for Primary Delivery COPA surcharge of \$0.04963/kWh.⁸ This is an increase from the currently approved COPA surcharge of \$0.04952/kWh.

Tariff Sheet Nos. 70 and 94.1.1 Secondary Service

With TA390-121 and TA512-8, Chugach proposes a retail service for Secondary Delivery COPA surcharge of \$0.05000/kWh.⁹ This is an increase from the currently approved COPA surcharge of \$0.04989/kWh.

Table 1A shows the effect of the proposed changes on a sample bill for a residential customer with Secondary Service for usage of 650 kWh for the South District.

⁴ See 3 AAC 52.504(g), *Filing Requirements for Electric Utilities*. This support includes invoices, records, reports, calculations, contracts and any other information the Commission and Staff consider necessary to explain the proposed COPA calculation.

⁵ See Letter Order No. L0900101, issued November 19, 2009.

⁶ In 1992, Chugach obtained Commission approval to use an estimated balancing account balance in its COPA calculation. See TA133-8, effective September 12, 1991.

⁷ Throughout this memo, Staff lists the tariff sheets for Certificate No. 121 first and Certificate No. 8 second.

⁸ See side-by-side Tariff Sheet No. 69, attached as BA-1, at line e.5.D. See also side-by-side Tariff Sheet No. 94.1, attached as BA-2, at line e.5.D for Certificate No. 8.

⁹ See side-by-side Tariff Sheet No. 70, attached as BA-1, at line e.6.D. See also side-by-side Tariff Sheet No. 94.1.1, attached as BA-2, at line e.6.D.

TABLE 1A

Sample Residential Customer with Secondary Service Billing - 650/kWh Usage				
Line	Description	Current Rates	Proposed Rates	Change from Current Rate
1	Fuel Cost Adjustment Factor	\$ 0.04415	\$ 0.04400	\$ (0.00015)
2	Purchased Power Cost Adjustment Factor	0.00503	0.00497	\$ (0.00006)
3	Fire Island Wind Adjustment Factor	0.00071	0.00103	\$ 0.00032
4	Total COPA Surcharge	\$ 0.04989	\$ 0.05000	\$ 0.00011
650 kWh Residential Customer Bill				
5	Customer Charge	\$ 8.00	\$ 8.00	-
6	Energy @ \$0.13508/kWh	87.80	87.80	-
7	RCC @ 0.000654/kWh	0.43	0.43	-
8	BRU Contributed Capital Surcharge	11.04	10.01	(1.03)
9	COPA Surcharge	32.43	32.50	0.07
10	Total Customer Bill	\$ 139.69	\$ 138.74	\$ (0.96)

Table 1B shows the effect of the proposed changes on a sample bill for a residential customer with Secondary Service for usage of 650 kWh for the North District.

TABLE 1B

Sample Residential Customer with Secondary Service Billing - 650/kWh Usage				
Line	Description	Current Rates	Proposed Rates	Change from Current Rate
1	Fuel Cost Adjustment Factor	\$ 0.04415	\$ 0.04400	\$ (0.00015)
2	Purchased Power Cost Adjustment Factor	\$ 0.00503	\$ 0.00497	(0.00006)
3	Fire Island Wind Adjustment Factor	\$ 0.00071	\$ 0.00103	0.00032
4	Total COPA Surcharge	\$ 0.04989	\$ 0.05000	0.00011
650 kWh Residential Customer Bill				
5	Customer Charge	\$ 13.62	\$ 13.62	-
6	Energy @ \$0.15274/kWh	99.28	99.28	-
7	RCC @ 0.000654/kWh	0.43	0.43	-
8	RRR Account Rebate	(10.08)	(9.73)	0.35
9	BRU Contributed Capital Rebate	(11.86)	(10.58)	1.28
10	COPA Surcharge	32.43	32.50	0.07
11	Total Customer Bill	\$ 123.81	\$ 125.51	\$ 1.70

Factors that may affect the calculation of Chugach's COPA include the previous period's ending balancing account balance, generation efficiency, projected power costs, and

variances in credits for revenue offsets.¹⁰ Changes in these factors frequently offset each other. Any factor that increases the average cost per kWh sold will put upward pressure on the COPA surcharge and any factor that decreases the average cost per kWh sold will put downward pressure on the surcharge. The proposed increase in Chugach's COPA is primarily driven by:

- 1) The projected net fuel costs increased from \$20,231,413 to \$25,570,760,¹¹ the projected net purchased power costs increased from \$2,660,679 to \$3,383,024,¹² and the projected Fire Island Wind cost differential increased from \$329,709 to \$544,044.¹³ This results in an increase in the total power costs from \$23,221,801 to \$29,497,828.¹⁴ This increase in costs places upward pressure on the COPA surcharge.
- 2) The projected kWh sales increased from 480,948,300 kWh to 557,599,600 kWh.¹⁵ This increase results in the projected fuel and purchased power costs being spread over a greater number of kWh, placing downward pressure on the COPA surcharge.
- 3) The actual balancing account balance increased from (\$3,117,953) to (\$3,070,358).¹⁶ In the second quarter of 2021, Chugach had fuel and purchased power costs of \$22,877,631,¹⁷ and collected \$22,830,036 in revenues.¹⁸ This decrease in the actual balancing account balance places downward pressure on the projected balancing account balance.

¹⁰ Revenue from the sales of economy energy to Golden Valley Electric Association, Inc. (GVEA), the margins associated with economy energy sales, wheeling, renewable energy certificates, and gas exchange contribution are passed through Chugach's COPA balancing account as an offset to its fuel and purchased power costs.

¹¹ See side-by-side Tariff Sheet No. 66, attached as BA-1, and Tariff Sheet No. 94, attached as BA-2, at *Net Fuel Expense* line.

¹² See side-by-side Tariff Sheet No. 67, attached as BA-1, and Tariff Sheet No. 94.04, attached as BA-2, at *Net Purchased Power Expense* line. Net purchased power expenses are purchased power expenses from Bradley Lake, base FIW renewable resource costs, and other purchases minus credits from renewable energy certificates and wheeling revenue.

¹³ See side-by-side Tariff Sheet No. 68, attached as BA-1, and Tariff Sheet No. 94.05, attached as BA-2, at *Fire Island Wind Cost Differential* line.

¹⁴ See side-by-side Tariff Sheet No. 68, attached as BA-1, and Tariff Sheet No. 94.05, attached as BA-2, at *Fuel & Purch. Costs to be Recovered* line.

¹⁵ See side-by-side Tariff Sheet No. 67, attached as BA-1, and Tariff Sheet No. 94.04, attached as BA-2, at *Predicted Sales at G&T (MWh)* line. The predicted sales at G&T presented on the tariff sheet have been multiplied by 100 to convert from MWh to kWh.

¹⁶ See Tariff Sheet No. 95.05 in Side-by-side tariff sheets attached as BA-2, at the *March 31, 2020* and *June 30, 2021* lines.

¹⁷ See Tariff Sheet No. 95.05 in Side-by-side tariff sheets attached as BA-2, at the *Fuel and Purchased Power Costs* line.

¹⁸ See Tariff Sheet No. 95.05 in Side-by-side tariff sheets attached as BA-2, at the *Fuel and Purchased Power Recovery* line.

- 4) The projected balancing account balance decreased from \$41,410 to (\$2,878,830).¹⁹ The decrease in the projected balancing account balance places downward pressure on the COPA surcharge.

The increase in projected sales and the decrease in the projected balancing account places downward pressure on the COPA surcharge; this is offset by the upward pressure from the increase in projected costs. The overall result is an increase to Chugach's COPA.

The revisions proposed in TA390-121 and TA512-8 did not include a change in methodology or new cost element, and as such, Chugach proposes to implement the proposed surcharges on October 1, 2021, in accordance with 3 AAC 52.504(b).²⁰ Staff has reviewed all information and calculations filed in support of TA390-121 and TA512-8, and verified that Chugach provided all required information. Staff confirmed that the proposed surcharges were calculated accurately using Chugach's approved methodology, and the tariff sheets are correct.²¹ Therefore, Staff recommends the Commission approve as indicated above.²²

Other Factors Impacting Chugach's COPA

CINGSA Non-Firm Shared Revenue and Well Maintenance Surcharge

Cook Inlet Natural Gas Storage Alaska, LLC's (CINGSA) tariff provides that well maintenance costs be billed to Firm Storage Service (FSS) customers based on the maximum storage quantity (MSQ) and the maximum daily withdrawal quantity (MDWQ).²³ CINGSA's tariff also requires CINGSA to allocate non-firm revenues to FSS customers based on its MSQ and MDWQ on a monthly basis.²⁴ Chugach provided copies of the CINGSA invoices with Chugach's share of the non-firm revenues.²⁵

Beluga River Unit GTP

On August 26, 2020, Chugach filed TA494-8, proposing a unified GTP methodology. In that filing, Chugach proposed update its methodology to remove the ARO component from its GTP revenue requirement. Chugach also proposed to include an ARO surcharge, similar to the approach used by ML&P. On October 9, 2020, the Commission issued Order No. U-19-085(19)/U-19-091(18)/U-20-071(1), suspending TA494-8 and consolidating the

¹⁹ See side-by-side Tariff Sheet No. 67, attached as BA-1, and Tariff Sheet No. 94.05, attached as BA-2, at *Projected Balances as of September 30, 2021* line.

²⁰ 3 AAC 52.504(b) states "[a]n electric utility may implement a COPA filing that does not include a new methodology or cost element immediately upon filing with the Commission. The COPA filing is subject to subsequent review, adjustment, and approval by the Commission."

²¹ Side-by-side tariff sheets are attached as BA-1 for TA390-121 and BA-2 for TA512-8.

²² Tariff Sheet Nos. 97.1.4, 97.5.2, and 97.6.1 provides a historical record of COPA amounts. Staff has verified that they accurately reflect the amounts proposed with TA498-8. In addition, Tariff Sheet Nos. 73 (Certificate No. 121) and 94.1.2 (Certificate No. 8) reflect a combined per kWh rate including the RRR Account rebate and the BRU Contributed Capital rebate and surcharge. Staff notes that Chugach will continue to separate the line items on a customer bill, as it has done historically.

²³ See CINGSA Tariff Sheet Nos. 83 and 84, effective November 1, 2019.

²⁴ *Ibid.*

²⁵ See TA512-8 at Attachment B page 8, Attachment C page 9, and Attachment D page 10.

new docket with Docket Nos. U-19-085 and U-19-091. These dockets are currently pending before the Commission. The current interim GTP is \$3.58 per Mcf.²⁶

Power Pool with Matanuska Electric Association, Inc. (MEA)

In Order No. U-18-102(44)/U-19-020(39)/U-19-021(39), the Commission required Chugach and MEA to form a tight power pool.²⁷ Chugach and MEA filed amended pooling agreements in TA491-8 and TA523-18.²⁸ On November 2, 2020, the Commission issued Letter Order Nos. L2000391 and L2000392 approving tariff sheets and Amended Pooling Agreements between Chugach and MEA filed with TA523-18 and TA491-8, respectively.

Chugach and MEA began the 18-month implementation period in November 2020. In April 2021, Chugach and MEA completed the first power pool transaction under the settlement process which assesses savings between Chugach and MEA on a 50-50 basis. Chugach reported the purchases, sales, and savings on Exhibits 5 and 6.²⁹

Gas Supply Agreements (GSA)

Chugach currently has four GSAs, all of which allow for the gas to be stored in the Cook Inlet Natural Gas Storage Alaska, LLC (CINGSA).³⁰

- Hilcorp Alaska, LLC (Hilcorp), January 2015 through March 2018, extended to March 2028.³¹
- Hilcorp, for interruptible purchases beginning February 3, 2021 and terminating August 31, 2021.³²
- Cook Inlet Energy (CIE), initially for the period of January 2014 through March 2018³³ and extended through 2023.³⁴
- AIX Energy, LLC (AIX), November 3, 2016 through March 24, 2024.³⁵

²⁶ See TA500-8, filed February 16, 2021.

²⁷ See Order No. U-18-102(44)/U-19-020(39)/U-19-021(39), at Ordering Paragraph No. 25.

²⁸ Staff notes that Chugach filed the original pooling agreement in TA490-8, which was withdrawn.

²⁹ See TA512-8, at page 3.

³⁰ Chugach is a Firm Storage Service customer of CINGSA, see Letter Order No. L1100561, issued October 24, 2011; Chugach is an Interruptible Storage Service customer of CINGSA, see Letter Order No. L1400135, issued March 21, 2014; Chugach participates in gas exchange activity with its contracted CINGSA capacity; see Letter Order No. L1300478, issued October 21, 2013.

³¹ See GSA with Hilcorp for the period of January 2015 through March 2018 (TA377-8) approved in Letter Order No. L1300429, issued September 10, 2013, extended to 2019 with TA391-8 approved in Letter Order No. L1400406, issued September 15, 2016, extended to 2023 with TA408-8 approved in Letter Order No. L1500442, issued September 8, 2015, and extend to 2028 with TA481-8 approved in Letter Order No. L2000085, issued February 28, 2020.

³² See Interruptible GSA with Hilcorp, filed informationally with TA384-121 and TA504-8 on April 6, 2021.

³³ See GSA with Cook Inlet Energy, LLC for the period of July 2014 through March 2018 (TA381-8) approved in Letter Order No. L1300531, issued November 25, 2013.

³⁴ See Extension to the GSA with Cook Inlet Energy, LLC (TA438-8), approved in Letter Order No. L1700174, issued May 5, 2017.

³⁵ See GSA with AIX Energy, LLC for the period of July 2016 through March 2024 (TA415-8) approved in Letter Order No. L1600010, issued October 11, 2016.

- Furie Operating Alaska, LLC (Furie), for interruptible purchases beginning on May 1, 2017, and terminating on September 30, 2021.³⁶
- Furie, for interruptible purchases beginning on November 1, 2021, and terminating on March 31, 2023.³⁷

Gas Storage

Table 2 summarizes Chugach's gas storage activity on volumetric basis for the second quarter of 2021³⁸ and Table 3 summarizes the monetary value of the gas in storage.³⁹

TABLE 2

Volume of Gas in Storage (Mcf)

Month	Purchased	Fuel Gas	Injections	Withdrawals	Balance
Apr-21	252,292	4,541	247,751	16,555	1,862,794
May-21	288,498	5,193	287,367	15,022	2,135,139
Jun-21	113,702	2,047	71,655	17,710	2,189,084

TABLE 3

Value of Gas In Storage

Month	Injections	Withdrawals	Balance	Weighted Price
Apr-21	\$1,987,587	\$132,976	\$13,664,498	\$7.34
May-21	\$2,315,517	\$117,155	\$15,857,538	\$7.43
Jun-21	\$622,992	\$136,734	\$16,335,795	\$7.46

Fire Island Wind

In Order No. U-11-100(5), the Commission allowed payments made to FIW, under a power purchase agreement⁴⁰ to be collected through the COPA, requiring disclosure to cooperative members of the actual cost of wind power.⁴¹ Chugach submitted the information to support the methodology and calculation for the FIW purchased power cost recovery rate calculation. Staff reviewed the estimates for the purchased power expenses and kWh sales in its calculation. Staff summarizes its calculation and effect of the FIW adjustment rate in Table 4.

³⁶ See Firm and Interruptible Gas Sale and Purchase Agreement with Furie Operating Alaska, LLC (TA437-8) approved in Letter Order No. L1700160, issued May 1, 2017.

³⁷ See Gas Sale Purchase Agreement with Furie Operating Alaska, LLC (TA389-121 and TA511-8) approved in Letter Order No. L2100357, issued October 25, 2021.

³⁸ See Exhibit 11 for TA512-8.

³⁹ *Ibid.*

⁴⁰ See Power Purchase Agreement By and Between Fire Island Wind, LLC as Seller and Chugach Electric Association, Inc. as Buyer, Dated as of September 21, 2011, filed September 23, 2011, with TA335-8.

⁴¹ See Order No. U-11-100(5), issued October 10, 2011.

Table 4 FIW Recovery Calculation Breakdown		
Line	Description	Amount
TOTAL FIW COSTS - <u>Tariff Sheet No. 94.05</u>		
1	Predicted FIW Purchases (kWh)	13,167,530
2	FIW PPA Purchased Power Rate (\$/kWh)	\$ 0.0970
3	Total FIW Costs	\$ 1,277,250
4	Predicted Retail Sales at Generation & Purchases (kWh)	555,804,000
5	Total FIW Costs per kWh	\$ 0.002300
BASE FIW AMOUNT - <u>Tariff Sheet No. 94.05</u>		
6	Retail Avoided Cost at G&T (\$/kWh)	\$ 0.05568
7	Base FIW Renewable Resource Cost (Line 1 x Line 6)	\$ 733,206
8	Predicted Retail Sales at G&T (kWh)	555,804,000
9	Total Base FIW Amount per kWh (\$/kWh)	\$ 0.00132
DIFFERENTIAL FIW AMOUNT - <u>Tariff Sheet No. 94.05</u>		
10	Differential FIW Costs (Line 3 - Line 7)	\$ 544,044
11	Predicted Retail Sales at G&T (kWh)	555,804,000
12	Total Differential FIW Amount per kWh (\$/kWh)	\$ 0.00098
PRIMARY VOLTAGE - <u>Tariff Sheet No. 94.1</u>		
13	Total Primary kWh Sales at G&T (kWh) - Tariff Sheet No. 94.1	77,711,437
14	FIW Costs (Line 12 x Line 13)	\$ 76,157
15	Total Primary Sales at Delivery (kWh)	74,596,347
16	FIW \$/kWh at Primary Voltage (Line 14 ÷ Line 15)	\$ 0.00102
SECONDARY VOLTAGE - <u>Tariff Sheet No. 94.1.1</u>		
17	Total Secondary kWh Sales at G&T (kWh)	465,491,450
18	FIW Costs (Line 12 x Line 17)	\$ 456,182
19	Total Secondary Sales at Delivery (kWh)	443,932,752
20	FIW \$/kWh at Secondary Voltage (Line 14 ÷ Line 15)	\$ 0.00103

Chugach purchased a total of 12,526 MWh from the FIW project during second quarter 2021. Chugach curtailed 10 MWh during times when resources to offset unexpected wind production were unavailable. Chugach indicates that records show that since inception, the capacity factor of the FIW project has averaged 31.3 percent.⁴²

Table 5 summarizes the FIW MWh Purchased.⁴³

⁴² See tariff advice letter filed with TA512-8, at page .

⁴³ See Exhibit 15 for TA512-8.

Table 5
Fire Island Wind Summary

Month	Capacity Factor	Real Net Electric Energy Delivered to Chugach	Curtailed (Deemed Energy)	Total Energy (Real + Deemed)
Jul-19	10%	1,321.72	170.65	1,492.37
Aug-19	9%	1,203.23	730.39	1,933.62
Sep-19	20%	2,533.17	589.25	3,122.42
Jul-20	16%	2,151.57	63.87	2,215.44
Aug-20	24%	3,120.43	74.80	3,195.23
Sep-20	26%	3,291.81	81.77	3,373.58
Oct-20	30%	3,895.24	0.02	3,895.26
Nov-20	33%	4,172.13	3.99	4,176.12
Dec-20	47%	6,116.32	0.03	6,116.35
Jan-21	45%	5,893.24	0.03	5,893.27
Feb-21	33%	3,904.80	14.31	3,919.11
Mar-21	24%	3,186.27	0.07	3,186.34
Apr-21	39%	4,903.70	0.10	4,903.80
May-21	34%	4,505.10	10.20	4,515.30
Jun-21	25%	3,107.20	-	3,107.20
Total	31.3%	48,247.81	249.19	48,496.98

RRR Rebate Increase (Tariff Sheet Nos. 71 and 93)

The stipulation filed in U-18-102, U-19-020, and U-19-021, and approved in relevant part by Order No. U-18-102(44)/U-19-020(39)/U-19-021(39) (Order No. 44),⁴⁴ stated that beginning with Chugach's first COPA filing for the ML&P legacy service area following closing, Chugach shall include a credit to the calculated COPA for ML&P legacy service area customers. Order No. 44 instructed Chugach for the quarterly disbursements for the RRR Account. With TA492-8, Chugach added the methodology for the disbursement of the RRR account.

With TA390-121 and TA512-8, Chugach proposes an RRR Rebate of \$0.01628 per kWh, an increase from the current RRR Rebate of \$0.01551 per kWh. Staff notes that the rebate only applies to North District customers; however, Chugach lists it in both tariffs. Staff confirmed that the proposed RRR rebate was calculated accurately, using Chugach's approved methodology, and that the tariff sheets are correct. Therefore, Staff recommends the Commission approve Tariff Sheet Nos. 71 and 93.

BRU Contributed Capital Rebate and Surcharge (Tariff Sheet Nos. 72 and 96)

With Order No. 44 the Commission required Chugach to rebate \$136 million of the net capital contribution to North District ratepayers, which the Commission determined was

⁴⁴ Order No. 44 at 135-139.

more equitable and reasonable than the Restated BRU Agreement filed in the acquisition. That order instructed Chugach to collect a surcharge from its South District customers and disburse a rebate to its North District customer related the BRU contributed capital. Order No. 44 also set out a methodology for the surcharge and rebate.⁴⁵ With TA493-8, Chugach added the methodology for the collection of the surcharge and disbursement of the rebate in compliance with Order No. 44.

With TA390-121 and TA512-8, Chugach proposes a BRU Contributed Capital surcharge of \$0.01540 per kWh, a decrease from the current surcharge of \$0.01698 per kWh, and a BRU Contributed Capital rebate of \$0.01497 per kWh, a decrease from the current rebate of \$0.01825 per kWh. Staff confirmed that the proposed BRU Contributed Capital surcharge and rebate were calculated accurately, using Chugach's approved methodology, and that the tariff sheets are correct. Therefore, Staff recommends the Commission approve Tariff Sheet Nos. 72 and 96.

SFPPR Increase (Tariff Sheet Nos. 103 and 97)

Chugach determines separate SFPPRs for the avoided cost at retail primary voltage and retail secondary voltage.⁴⁶ The base avoided cost, the avoided cost at generation and transmission (G&T), is calculated by dividing the sum of fuel and purchased power expense (excluding Bradley Lake and FIW) predicted for the next quarter in the determination of fuel and purchased power rates, non-fuel variable operations and maintenance expense, and the balance of the avoided cost balancing account by the kWh sales at G&T as predicted for the next quarter.⁴⁷

To determine the avoided cost at retail primary voltage, Chugach multiplies the avoided cost at G&T by the quotient of retail primary kWh sales at G&T divided by retail primary kWh sales at delivery.⁴⁸ To determine the avoided cost at retail secondary voltage, Chugach multiplies the avoided cost at G&T by the quotient of retail secondary kWh sales at G&T divided by retail secondary kWh sales at delivery.⁴⁹

With TA390-121 and TA512-8 Chugach proposes a SFPPR for retail Primary voltage of \$0.05801/kWh, an increase from the currently approved SFPPR of \$0.05612/kWh⁵⁰ and proposes a SFPPR for retail Secondary voltage of \$0.05844/kWh, an increase from the currently approved SFPPR of \$0.05654/kWh.⁵¹ Staff confirmed that the proposed SFPPR was calculated accurately, using Chugach's approved methodology, and that the tariff sheet is correct. Therefore, Staff recommends that the Commission approve Tariff Sheet Nos. 103 and 97.

⁴⁵ See Order No. 44 at pages 101-103.

⁴⁶ See side-by-side Tariff Sheet No. 97, attached as BA-1.

⁴⁷ *Id.*, at lines 1-5.

⁴⁸ *Id.*, at lines 7.a-c.

⁴⁹ *Id.*, at lines 8.a-c.

⁵⁰ *Id.*, at line 7.c.

⁵¹ *Id.*, at line 8.c.

Docket Nos. U-19-085 and U-19-091

On August 28, 2019, Chugach filed TA474-8, proposing to update its GTP. In that filing, Chugach proposed to update its methodology based on updated gas reserve and asset retirement obligation studies. On October 14, 2019, the Commission issued Order No. U-19-085(2)/U-19-091(1) suspending TA474-8 for further investigation and consolidating it with Docket No. U-19-085, the Municipality of Anchorage d/b/a Municipal Light and Power's update to its GTP. With that order, the Commission approved Chugach's GTP on an interim and refundable basis, effective November 1, 2019. In TA488-8, Chugach revised its interim and refundable GTP. On July 28, 2020, the Commission issued Order No. U-19-085(16)/U-19-091(15), suspending TA488-8 and TA489-8 (Chugach's third quarter COPA filing) and approving an updated GTP on an interim and refundable basis, effective July 1, 2020. On August 26, 2020, Chugach filed TA494-8, proposing a unified GTP methodology. On October 9, 2020, the Commission issued Order No. U-19-085(19)/U-19-091(18)/U-20-071(1), suspending TA494-8 and consolidating the new docket with Docket Nos. U-19-085 and U-19-091. These dockets are currently pending before the Commission.

Staff notes that the COPA and SFPPR proposed with TA390-121 and TA512-8 are calculated using the currently interim and refundable GTP. Therefore, Staff recommends that the Commission suspend TA390-121 into Docket No. U-19-085 and TA512-8 into Docket No. U-19-091.

CONCLUSION

With TA390-121 and TA512-8, Chugach requests approval of its revised COPA surcharges and SFPPR rates for the period beginning October 1, 2021. Staff has verified the proposed surcharges and rates were calculated accurately using Chugach's approved methodologies, the proper support was filed, and the tariff sheets are correct. Therefore, Staff recommends the Commission:

1. Suspend TA390-121 into Docket No. U-19-085.
2. Suspend TA512-8 into Docket No. U-19-091.
3. Approve the COPA surcharges and SFPPRs on an interim and refundable basis, effective October 1, 2021.
4. Approve Tariff Sheet Nos. 67 through 73, and Tariff Sheet No. 103, filed September 27, 2021, by Chugach with TA390-121. The effective date of the tariff sheets should be October 1, 2021.
5. Approve Tariff Sheet No. 66, filed October 28, 2021 by Chugach in TA390-121. The effective date of the tariff sheet should be November 1, 2021.
6. Approve Tariff Sheet Nos. 93, 94.04, 94.05, 94.1, 94.1.1, 94.1.2, 95.04, 95.05, 96, 97, 97.1.4, 97.5.2, and 97.6.1, filed September 27, 2021, by Chugach with TA512-8. The effective date of the tariff sheets should be October 1, 2021.
7. Approve Tariff Sheet Nos. 94, 95, and 95.5, filed October 28, 2021, by Chugach in TA512-8. The effective date of the tariff sheets should be November 1, 2021.

Signature: 

Email: bob.pickett@alaska.gov

TA390-121 and TA512-8 Chugach
11/1/2021

Signature: 
Keith Kurber II (Nov 1, 2021 08:19 AKDT)

Email: keith.kurber@alaska.gov

Signature: 

Email: antony.scott@alaska.gov

Signature: 
Janis W. Wilson (Nov 1, 2021 10:52 AKDT)

Email: janis.wilson@alaska.gov

RCA NO.: 121 3rd Revision Sheet No. 67



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2nd Revision Sheet No. 67

Chugach Electric Association, Inc.

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STATE OF ALASKA
REGULATORY COMMISSION OF ALASKA

**COST OF POWER ADJUSTMENT FACTORS AT G&T
POST ACQUISITION (CONTINUED)**

e.2. Purchased Power Adj. Factor: Predicted costs for the quarter beginning July 1, 2021

Description	Total	Retail	Seward
Purchased Power Expense			
Bradley Lake Purchases	\$1,945,869	\$1,886,232	\$59,637
Base FIW Renewable Resource Cost	\$758,952	\$758,952	\$0
Non-Utility Generation	\$0	\$0	\$0
Pooling Agreement - MEA	\$0	\$0	\$0
Other Purchases	\$124,011	\$120,210	\$3,801
Subtotal	\$2,828,832	\$2,765,394	\$63,438
Less Purchased Power Credits			
Renewable Energy Certificates	\$0	\$0	\$0
Wheeling and Economy Revenue	(\$168,153)	(\$163,000)	(\$5,154)
Subtotal	(\$168,153)	(\$163,000)	(\$5,154)
Net Purchased Power Expense	\$2,660,679	\$2,602,394	\$58,284
Generation & Purchases (MWh)	491,697.9	476,868.0	14,829.8
Cost per MWh at Generation	\$5.41	\$5.46	\$3.93
Projected Balances as of June 30, 2021	(\$327,959)	(\$327,959)	\$0
Purchased Power Expense to be Recovered	\$2,332,720	\$2,274,435	\$58,284
Predicted Sales at G&T (MWh)	480,948.3	466,442.7	14,505.6
Purchased Power Adjustment Factor per kWh at G&T	\$0.00485	\$0.00488	----* R

* Not calculated. Seward is billed for cost of power on a monthly basis.

Tariff Advice No.: 386-121 Issued by: Effective: July 1, 2021

Pursuant to U-19-085(26)/U-19-091(25)/U-20-071(8) Chugach Electric Association, Inc
P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 121 4th Revision Sheet No. 67



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3rd Revision Sheet No. 67

Chugach Electric Association, Inc.



**COST OF POWER ADJUSTMENT FACTORS AT G&T
POST ACQUISITION (CONTINUED)**

e.2. Purchased Power Adj. Factor: Predicted costs for the quarter beginning October 1, 2021

Description	Total	Retail	Seward
Purchased Power Expense			
Bradley Lake Purchases	\$2,034,645	\$1,982,551	\$52,094
Base FIW Renewable Resource Cost	\$1,277,250	\$1,277,250	\$0
Non-Utility Generation	\$0	\$0	\$0
Pooling Agreement - MEA	\$0	\$0	\$0
Other Purchases	\$255,869	\$249,318	\$6,551
Subtotal	\$3,567,764	\$3,509,119	\$58,645
Less Purchased Power Credits			
Renewable Energy Certificates	\$0	\$0	\$0
Wheeling and Economy Revenue	(\$184,740)	(\$180,010)	(\$4,730)
Subtotal	(\$184,740)	(\$180,010)	(\$4,730)
Net Purchased Power Expense	\$3,383,024	\$3,329,109	\$53,915
Generation & Purchases (MWh)	570,062.4	555,804.0	14,258.4
Cost per MWh at Generation	\$5.93	\$5.99	\$3.78
Projected Balances as of September 30, 2021	(\$754,476)	(\$754,476)	\$0
Purchased Power Expense to be Recovered	\$2,628,548	\$2,574,633	\$53,915
Predicted Sales at G&T (MWh)	557,599.6	543,652.9	13,946.7
Purchased Power Adjustment Factor per kWh at G&T	\$0.00471	\$0.00474	----* R, R

* Not calculated. Seward is billed for cost of power on a monthly basis.

Tariff Advice No. 390-121 Issued by: Effective: October 1, 2021

Chugach Electric Association, Inc
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Chugach Electric Association, Inc.

**COST OF POWER ADJUSTMENT FACTORS AT G&T
POST ACQUISITION (CONTINUED)**

e.3. Incremental Fire Island Wind Adjustment Factor:

Predicted costs for the quarter beginning July 1, 2021

Description	Total	Retail	Seward
Predicted FIW Purchases (MWh)	7,824.2	7,824.2	----
Purchased Power Rate	\$97.00	\$97.00	----
Total FIW Purchased Power Cost	\$758,952	\$758,952	----
Chugach Avoided Energy Cost at G&T (MWh)	\$54.86	\$54.86	----
Estimated Cost Avoided Due to FIW Purchases	\$429,243	\$429,243	----
Fire Island Wind Cost Differential	\$329,709	\$329,709	----
Chugach Retail Generation & Purchases (MWh)	476,868.0	476,868.0	----
Cost per MWh at Generation	\$0.69	\$0.69	----
Predicted Sales at G&T (MWh)	476,868.0	476,868.0	----
FIW Adjustment Factor per kWh at G&T	\$0.00069	\$0.00069	----

R, R

e.4. Summary of fuel and purchased power cost adjustment factors at G&T
for rates effective July 1, 2021

Fuel & Purch. Pwr Costs to be Recovered	\$23,221,801	\$22,543,461	\$678,340
Generation & Purchases (MWh)	491,697.9	476,868.0	14,829.8
Cost per MWh at Generation	\$47.23	\$47.27	\$45.74
Projected Balances as of June 30, 2021	\$41,410	\$41,410	\$0
Total Costs Recovered at G&T	\$23,263,211	\$22,584,871	\$678,340
Predicted Sales at G&T (MWh)	480,948.3	466,442.7	14,505.6
Fuel and Purchased Power Adjustment			
Factor per kWh at G&T	\$0.04837	\$0.04842	---- *

I, I

*Not calculated. Seward is billed for actual cost of power on a monthly basis.

Tariff Advice No.: 386-121

Issued by:

Effective: July 1, 2021

Pursuant to U-19-085(26)/U-19-091(25)/U-20-071(8) Chugach Electric Association, Inc.

P.O. Box 196300 Anchorage, Alaska 99519-6300

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Sheet No. 68



Chugach Electric Association, Inc.

**COST OF POWER ADJUSTMENT FACTORS AT G&T
POST ACQUISITION (CONTINUED)**

e.3. Incremental Fire Island Wind Adjustment Factor:

Predicted costs for the quarter beginning October 1, 2021

Description	Total	Retail	Seward
Predicted FIW Purchases (MWh)	13,167.5	13,167.5	----
Purchased Power Rate	\$97.00	\$97.00	----
Total FIW Purchased Power Cost	\$1,277,250	\$1,277,250	----
Chugach Avoided Energy Cost at G&T (MWh)	\$55.68	\$55.68	----
Estimated Cost Avoided Due to FIW Purchases	\$733,206	\$733,206	----
Fire Island Wind Cost Differential	\$544,044	\$544,044	----
Chugach Retail Generation & Purchases (MWh)	555,804.0	555,804.0	----
Cost per MWh at Generation	\$0.98	\$0.98	----
Predicted Sales at G&T (MWh)	555,804.0	555,804.0	----
FIW Adjustment Factor per kWh at G&T	\$0.00098	\$0.00098	----

I, I

e.4. Summary of fuel and purchased power cost adjustment factors at G&T
for rates effective October 1, 2021

Fuel & Purch. Pwr Costs to be Recovered	\$29,497,828	\$28,789,214	\$708,614
Generation & Purchases (MWh)	570,062.4	555,804.0	14,258.4
Cost per MWh at Generation	\$51.74	\$51.80	----
Projected Balances as of September 30, 2021	(\$2,878,830)	(\$2,878,830)	\$0
Total Costs Recovered at G&T	\$26,618,999	\$25,910,384	\$708,614
Predicted Sales at G&T (MWh)	557,599.6	543,652.9	13,946.7
Fuel and Purchased Power Adjustment			
Factor per kWh at G&T	\$0.04774	\$0.04766	---- *

R, R

*Not calculated. Seward is billed for actual cost of power on a monthly basis.

Tariff Advice No. 390-121

Issued by:

Effective: October 1, 2021

Chugach Electric Association, Inc.

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Chugach Electric Association, Inc.

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**COST OF POWER ADJUSTMENT FACTORS
POST ACQUISITION AT RETAIL DELIVERY: PRIMARY SERVICE**

e.5. Chugach retail cost of power adjustment factors for rates effective July 1, 2021

1. Total Chugach Retail Fuel and Purchased Power Cost Recovery	\$22,584,871
2. Retail Fuel Adjustment Factor per kWh at G&T	\$0.04284
3. Retail Purchased Power Adjustment Factor per kWh at G&T	\$0.00488
4. Fire Island Wind Adjustment Factor per kWh at G&T	\$0.00069

5. Chugach Retail Service at Primary Voltage

A. Fuel Adjustment Factor

a) Primary kWh Sales at G&T	66,806,231.6
b) Fuel Cost Recovery - Primary Voltage	\$2,861,979
c) Primary kWh Sales at Delivery	65,312,609.3
d) Fuel Adjustment Factor per kWh at Primary	<u>\$0.04382</u> I
(Percent Primary Distribution Losses at G&T: 2.24%)	

B. Purchased Power Adjustment Factor

a) Primary kWh Sales at G&T	66,806,231.6
b) Purchased Power Cost Recovery - Primary Voltage	\$326,014
c) Primary kWh Sales at Delivery	65,312,609.3
d) Purchased Power Adj. Factor per kWh at Primary	<u>\$0.00499</u> R

C. Fire Island Wind Renewable Energy Adjustment Factor

a) Primary kWh Sales at G&T	66,806,231.6
b) FIW Cost Differential - Primary Voltage	\$46,096
c) Primary kWh Sales at Delivery	65,312,609.3
d) FIW Renewable Energy Adj. Factor per kWh at Primary	<u>\$0.00071</u> R

D. Total Retail Service at Primary Voltage Delivery \$0.04952 I

Pursuant to U-19-085(26)/U-19-091(25)/U-20-071(8)

Tariff Advice No.: 386-121 Issued by: Effective: July 1, 2021

Chugach Electric Association, Inc.
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3rd Revision Sheet No. 69

Chugach Electric Association, Inc.



**COST OF POWER ADJUSTMENT FACTORS
POST ACQUISITION AT RETAIL DELIVERY: PRIMARY SERVICE**

e.5. Chugach retail cost of power adjustment factors for rates effective October 1, 2021

1. Total Chugach Retail Fuel and Purchased Power Cost Recovery	\$25,910,384
2. Retail Fuel Adjustment Factor per kWh at G&T	\$0.04192
3. Retail Purchased Power Adjustment Factor per kWh at G&T	\$0.00474
4. Fire Island Wind Adjustment Factor per kWh at G&T	\$0.00098

5. Chugach Retail Service at Primary Voltage

A. Fuel Adjustment Factor

a) Primary kWh Sales at G&T	77,711,437.0
b) Fuel Cost Recovery - Primary Voltage	\$3,257,663
c) Primary kWh Sales at Delivery	74,596,346.8
d) Fuel Adjustment Factor per kWh at Primary	<u>\$0.04367</u> R
(Percent Primary Distribution Losses at G&T: 4.01%)	

B. Purchased Power Adjustment Factor

a) Primary kWh Sales at G&T	77,711,437.0
b) Purchased Power Cost Recovery - Primary Voltage	\$368,352
c) Primary kWh Sales at Delivery	74,596,346.8
d) Purchased Power Adj. Factor per kWh at Primary	<u>\$0.00494</u> R

C. Fire Island Wind Renewable Energy Adjustment Factor

a) Primary kWh Sales at G&T	77,711,437.0
b) FIW Cost Differential - Primary Voltage	\$76,157
c) Primary kWh Sales at Delivery	74,596,346.8
d) FIW Renewable Energy Adj. Factor per kWh at Primary	<u>\$0.00102</u> I

D. Total Retail Service at Primary Voltage Delivery \$0.04963 I

Tariff Advice No. 390-121 Issued by: Effective: October 1, 2021

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Chugach Electric Association, Inc.

**COST OF POWER ADJUSTMENT FACTORS
POST ACQUISITION AT RETAIL DELIVERY: SECONDARY SERVICE**

e.6. Chugach retail cost of power adjustment factors for rates effective July 1, 2021

6. Chugach Retail Service at Secondary Voltage

A. Fuel Adjustment Factor

a) Secondary kWh Sales at G&T	399,636,429.2	
b) Fuel Cost Recovery - Secondary Voltage	\$17,120,425	
c) Secondary kWh Sales at Delivery	387,791,557.9	
d) Fuel Adjustment Factor per kWh at Secondary	<u>\$0.04415</u>	I
(Percent Secondary Distribution Losses at G&T: 2.96%)		

B. Purchased Power Adjustment Factor

a) Predicted Secondary kWh Sales at G&T	399,636,429.2	
b) Purchased Power Cost Recovery - Secondary Voltage	\$1,950,226	
c) Predicted Secondary kWh Sales at Delivery	387,791,557.9	
d) Purchased Power Adj. Factor per kWh at Secondary	<u>\$0.00503</u>	R

C. Fire Island Wind Renewable Energy Adjustment Factor

a) Predicted Secondary kWh Sales at G&T	399,636,429.2	
b) FIW Cost Differential - Secondary Voltage	\$275,749	
c) Predicted Secondary kWh Sales at Delivery	387,791,557.9	
d) FIW Renewable Energy Adj. Factor per kWh at Secondary	<u>\$0.00071</u>	R

D. Total Retail Service at Secondary Voltage Delivery \$0.04989 I

Pursuant to U-19-085(26)/U-19-091(25)/U-20-071(8)

Tariff Advice No.: 386-121

Issued by:

Chugach Electric Association, Inc.

P.O. Box 196300 Anchorage, Alaska 99519-6300

Effective: July 1, 2021

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3rd Revision Sheet No. 70



Chugach Electric Association, Inc.

**COST OF POWER ADJUSTMENT FACTORS
POST ACQUISITION AT RETAIL DELIVERY: SECONDARY SERVICE**

e.6. Chugach retail cost of power adjustment factors for rates effective October 1, 2021

6. Chugach Retail Service at Secondary Voltage

A. Fuel Adjustment Factor

a) Secondary kWh Sales at G&T	465,941,450.1	
b) Fuel Cost Recovery - Secondary Voltage	\$19,532,266	
c) Secondary kWh Sales at Delivery	443,932,752.4	
d) Fuel Adjustment Factor per kWh at Secondary	<u>\$0.04400</u>	R
(Percent Secondary Distribution Losses at G&T: 4.72%)		

B. Purchased Power Adjustment Factor

a) Predicted Secondary kWh Sales at G&T	465,941,450.1	
b) Purchased Power Cost Recovery - Secondary Voltage	\$2,208,562	
c) Predicted Secondary kWh Sales at Delivery	443,932,752.4	
d) Purchased Power Adj. Factor per kWh at Secondary	<u>\$0.00497</u>	R

C. Fire Island Wind Renewable Energy Adjustment Factor

a) Predicted Secondary kWh Sales at G&T	465,941,450.1	
b) FIW Cost Differential - Secondary Voltage	\$456,623	
c) Predicted Secondary kWh Sales at Delivery	443,932,752.4	
d) FIW Renewable Energy Adj. Factor per kWh at Secondary	<u>\$0.00103</u>	I

D. Total Retail Service at Secondary Voltage Delivery \$0.05000 I

Tariff Advice No. 390-121

Issued by:

Chugach Electric Association, Inc.

P.O. Box 196300 Anchorage, Alaska 99519-6300

Effective: October 1, 2021

RCA NO.: 121 3rd Revision Sheet No. 71



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Chugach Electric Association, Inc.

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Restricted Rate Reduction Account Rebate

The Restricted Rate Reduction (RRR) account rebate returns \$36 million from the Municipality of Anchorage.¹ The RRR account rebate is returned to North District members in approximately equal dollar amounts over a targeted 36-month period beginning January 1, 2021 and continues until the RRR account balance is depleted. Because the RRR account rebate is determined by projected sales and incorporates a balancing account, the actual return of the RRR account rebate may be shorter or longer than 36-months. In addition to the initial RRR account balance of \$36 million, interest earned on account balances is included in the rebate amounts.

The RRR rebate is adjusted quarterly consistent with the timing of Chugach's cost of power adjustment filings.

A. Applicability

The rebate is applicable to all North District members.

B. RRR Account Rebate Balancing Account

Chugach shall maintain a balancing account for the RRR account rebate to North District members. The North District balancing account begins with a credit balance of \$36,000,000 on October 30, 2020. Beginning January 1, 2021, the account is reduced monthly by the rebate amount. The amount shall include all interest earned on account balances.

C. Rebate

North District customer billings will be adjusted on a quarterly basis to reflect changes in the rebate amounts.

Restricted Rate Reduction Account Rebate: (\$0.01551) per kWh I

¹ See Order No. U-18-102(44)/U-19-020(39)/U-19-021(39) issued by the Regulatory Commission of Alaska on May 28, 2020.

Pursuant to U-19-085(26)/U-19-091(25)/U-20-071(8)

Tariff Advice No.: 386-121 Issued by: Effective: July 1, 2021
Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 121 4th Revision Sheet No. 71



Canceling

3rd Revision Sheet No. 71

Chugach Electric Association, Inc.



Restricted Rate Reduction Account Rebate

The Restricted Rate Reduction (RRR) account rebate returns \$36 million from the Municipality of Anchorage.¹ The RRR account rebate is returned to North District members in approximately equal dollar amounts over a targeted 36-month period beginning January 1, 2021 and continues until RRR account balance is depleted. Because the RRR account rebate is determined by projected sales and incorporates a balancing account, the actual return of the RRR account rebate may be shorter or longer than 36-months. In addition to the initial RRR account balance of \$36 million, interest earned on account balances is included in the rebate amounts.

The RRR rebate is adjusted quarterly consistent with the timing of Chugach's cost of power adjustment filings.

A. Applicability

The rebate is applicable to all North District members.

B. RRR Account Rebate Balancing Account

Chugach shall maintain a balancing account for the RRR account rebate to North District members. The North District balancing account begins with a credit balance of \$36,000,000 on October 30, 2020. Beginning January 1, 2021, the account is reduced monthly by the rebate amount. The amount shall include all interest earned on account balances.

C. Rebate

North District member billings will be adjusted on a quarterly basis to reflect changes in T rebate amounts.

Restricted Rate Reduction Account Rebate: (\$0.01628) per kWh I

¹ See Order No. U-18-102(44)/U-19-020(39)/U-19-021(39) issued by the Regulatory Commission of Alaska on May 28, 2020.

Tariff Advice No. 390-121 Issued by: Effective: October 1, 2021
Chugach Electric Association, Inc.
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Chugach Electric Association, Inc.

Beluga River Unit Contributed Capital Surcharge and Rebate

The Beluga River Unit Contributed Capital (BRU Contributed Capital) adjustment process governs the collection of funds through a surcharge assessed to South District customers and the disbursement of funds to North District customers through a rebate over a targeted 120-month period, beginning January 1, 2021.¹ The BRU Contributed Capital adjustment mechanism reconciles historical contributions and future ratepayer benefit between customers served in the South District and North District in the amount of \$176,612,912, or \$136,002,239 on a present value basis (10 years, 5% interest rate).

BRU Contributed Capital surcharge and rebate amounts are adjusted quarterly consistent with the timing of Chugach's cost of power adjustment filings. Because the surcharge and rebate amounts are determined by projected sales and incorporate balancing accounts, the actual life of the BRU Contributed Capital adjustment process may be shorter or longer than the 120-month period.

A. Applicability

The surcharge is applicable to all South District members and the rebate is applicable to all North District members.

B. BRU Contributed Capital Balancing Accounts

Chugach shall maintain a BRU Contributed Capital surcharge balancing account for South District members and a BRU Contributed Capital rebate balancing account for North District members. The South District balancing account starts with a debit balance of \$176,612,912 reflecting the amounts due from the South District members. The North District balancing account starts with a credit balance of \$176,612,912 reflecting the amount to be rebated. Each account will be reduced monthly by the amount of the surcharge collected and rebate returned to the members.

C. Surcharge and Rebate Amounts

Customer billings will be adjusted on a quarterly basis to reflect changes in surcharge and rebate amounts.

South District BRU Contributed Capital Surcharge:	\$0.01698	per kWh	I
North District BRU Contributed Capital Rebate:	(\$0.01825)	per kWh	R

¹ See Order No. U-18-102(44)/U-19-020(39)/U-19-021(39) issued by the Regulatory Commission of Alaska on May 28, 2020.

Pursuant to U-19-085(26)/U-19-091(25)/U-20-071(8)

Tariff Advice No.: 386-121	Issued by:	Effective: July 1, 2021
	Chugach Electric Association, Inc.	
	P.O. Box 196300 Anchorage, Alaska 99519-6300	

RCA NO.: 121 4th Revision Sheet No. 72



Canceling

3rd Revision Sheet No. 72



Chugach Electric Association, Inc.

Beluga River Unit Contributed Capital Surcharge and Rebate

The Beluga River Unit Contributed Capital (BRU Contributed Capital) adjustment process governs the collection of funds through a surcharge assessed to South District members and the disbursement of funds to North District members through a rebate over a targeted 120-month period, beginning January 1, 2021.¹ The BRU Contributed Capital adjustment mechanism reconciles historical contributions and future ratepayer benefit between members served in the South District and North District in the amount of \$176,612,912, or \$136,002,239 on a present value basis (10 years, 5% interest rate).

BRU Contributed Capital surcharge and rebate amounts are adjusted quarterly consistent with the timing of Chugach's cost of power adjustment filings. Because the surcharge and rebate amounts are determined by projected sales and incorporate balancing accounts, the actual life of the BRU Contributed Capital adjustment process may be shorter or longer than the 120-month period.

A. Applicability

The surcharge is applicable to all South District members and the rebate is applicable to all North District members.

B. BRU Contributed Capital Balancing Accounts

Chugach shall maintain a BRU Contributed Capital surcharge balancing account for South District members and a BRU Contributed Capital rebate balancing account for North District members. The South District balancing account starts with a debit balance of \$176,612,912 reflecting the amounts due from the South District members. The North District balancing account starts with a credit balance of \$176,612,912 reflecting the amount to be rebated. Each account will be reduced monthly by the amount of the surcharge collected and rebate returned to the members.

C. Surcharge and Rebate Amounts

Member billings will be adjusted on a quarterly basis to reflect changes in surcharge and rebate amounts.

South District BRU Contributed Capital Surcharge:	\$0.01540	per kWh	R
North District BRU Contributed Capital Rebate:	(\$0.01497)	per kWh	R

¹ See Order No. U-18-102(44)/U-19-020(39)/U-19-021(39) issued by the Regulatory Commission of Alaska on May 28, 2020.

Tariff Advice No. 390-121	Issued by:	Effective: October 1, 2021
	Chugach Electric Association, Inc.	
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RCA NO.: 121 3rd Revision Sheet No. 73



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Chugach Electric Association, Inc.

**COST OF POWER ADJUSTMENT FACTORS POST ACQUISITION
WITH BRU CONTRIBUTED CAPITAL AND RRR REBATE ADJUSTMENTS**

	South District		North District		
	Primary	Secondary	Primary	Secondary	
Fuel Rate	\$0.04382	\$0.04415	\$0.04382	\$0.04415	I, I, I, I
Purchased Power Rate	\$0.00499	\$0.00503	\$0.00499	\$0.00503	R, R, R, R
FIW Adj Factor	\$0.00071	\$0.00071	\$0.00071	\$0.00071	R, R, R, R
Subtotal	\$0.04952	\$0.04989	\$0.04952	\$0.04989	I, I, I, I
BRU Contributed Capital	\$0.01698	\$0.01698	(\$0.01825)	(\$0.01825)	I, I, R, R
Subtotal	\$0.06650	\$0.06687	\$0.03127	\$0.03164	I, I, I, I
RRR Rebate	---	---	(\$0.01551)	(\$0.01551)	I, I
Total per kWh Rate	\$0.06650	\$0.06687	\$0.01576	\$0.01613	I, I, R, R

Pursuant to U-19-085(26)/U-19-091(25)/U-20-071(8)

Tariff Advice No.: 386-121

Issued by:

Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

Effective: July 1, 2021

RCA NO.: 121 4th Revision Sheet No. 73



Canceling

3rd Revision Sheet No. 73



Chugach Electric Association, Inc.

**COST OF POWER ADJUSTMENT FACTORS POST ACQUISITION
WITH BRU CONTRIBUTED CAPITAL AND RRR REBATE ADJUSTMENTS**

	South District		North District		
	Primary	Secondary	Primary	Secondary	
Fuel Rate	\$0.04367	\$0.04400	\$0.04367	\$0.04400	R, R, R, R
Purchased Power Rate	\$0.00494	\$0.00497	\$0.00494	\$0.00497	R, R, R, R
FIW Adj Factor	\$0.00102	\$0.00103	\$0.00102	\$0.00103	I, I, I, I
Subtotal	\$0.04963	\$0.05000	\$0.04963	\$0.05000	I, I, I, I
BRU Contributed Capital	\$0.01540	\$0.01540	(\$0.01497)	(\$0.01497)	R, R, R, R
Subtotal	\$0.06503	\$0.06540	\$0.03466	\$0.03503	R, R, I, I
RRR Rebate	---	---	(\$0.01628)	(\$0.01628)	I, I
Total per kWh Rate	\$0.06503	\$0.06540	\$0.01839	\$0.01876	R, R, I, I

Tariff Advice No. 390-121

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Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

Effective: October 1, 2021

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2nd Revision Sheet No. 103

Chugach Electric Association, Inc.

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STATE OF ALASKA
REGULATORY COMMISSION OF ALASKA

**POST ACQUISITION PURCHASE AND SALES RATES FOR QUALIFIED COGENERATION,
SMALL POWER PRODUCTION, AND STANDBY/BUYBACK FACILITIES**

Available in all territory served by Chugach, or as required pursuant to contractual arrangements under wholesale power sales agreement. Applicable to qualified cogeneration, small power production and standby/buyback facilities of 200 kW or less. The type of service shall be single or three phase 60 hertz at Chugach's standard voltages.

Chugach reserves the right to limit the number of retail customers receiving service under the terms of this schedule to one per substation circuit. Chugach further reserves the right to reduce the buyback rates for costs associated with the integration of the energy produced by the qualifying facility into the Chugach system. Integration costs are project specific and determined through the completion of an integration study completed by Chugach.

Monthly Rates

Power sales supplied by Chugach to the customer to meet its electric requirements will be priced at the applicable rates. The rate paid by Chugach to the customer for kWh supplied by the customer to Chugach is the average avoided cost calculated as follows:

1. Fuel and purchased power expense, excluding Bradley Lake and Fire Island Wind, predicted for next quarter in the determination of fuel and purchased power rates.	\$20,187,271	
2. Non-fuel O&M expense	\$91,595	
3. Balancing Account as of March 31, 2021	\$3,357	
4. Total Avoided Cost Included in Rate	\$20,282,223	
5. kWh Sales at G&T predicted for next quarter:	369,704,650	
6. Avoided Cost per kWh at G&T (L4) / L5	<u>\$0.05486</u>	I
7. Avoided Cost at Retail Primary Voltage		
a) Retail Primary kWh Sales at G&T	66,806,232	
(Percent Primary Distribution Losses at G&T: 2.24%)		
b) Retail Primary kWh Sales at Delivery	65,312,609	
c) Avoided Costs per kWh at Retail Primary (L6 x L7a / L7b)	<u>\$0.05612</u>	R
8. Avoided Cost at Retail Secondary Voltage		
a) Retail Secondary kWh Sales at G&T	399,636,429	
(Percent Secondary Distribution Losses at G&T: 2.96%)		
b) Retail Secondary kWh Sales at Delivery	387,791,558	
c) Avoided Costs per kWh at Retail Secondary (L6 x L8a / L8b)	<u>\$0.05654</u>	R

These rates will change concurrently with cost of power factor adjustments and general rate revisions.

Pursuant to U-19-085(26)/U-19-091(25)/U-20-071(8)

Tariff Advice No.: 386-121

Issued by:

Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

Effective: July 1, 2021

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Canceling

3rd Revision Sheet No. 103

Chugach Electric Association, Inc.



**POST ACQUISITION PURCHASE AND SALES RATES FOR QUALIFIED COGENERATION,
SMALL POWER PRODUCTION, AND STANDBY/BUYBACK FACILITIES**

Available in all territory served by Chugach, or as required pursuant to contractual arrangements under wholesale power sales agreement. Applicable to qualified cogeneration, small power production and standby/buyback facilities of 200 kW or less. The type of service shall be single or three phase 60 hertz at Chugach's standard voltages.

Chugach reserves the right to limit the number of retail customers receiving service under the terms of this schedule to one per substation circuit. Chugach further reserves the right to reduce the buyback rates for costs associated with the integration of the energy produced by the qualifying facility into the Chugach system. Integration costs are project specific and determined through the completion of an integration study completed by Chugach.

Monthly Rates

Power sales supplied by Chugach to the customer to meet its electric requirements will be priced at the applicable rates. The rate paid by Chugach to the customer for kWh supplied by the customer to Chugach is the average avoided cost calculated as follows:

1. Fuel and purchased power expense, excluding Bradley Lake and Fire Island Wind, predicted for next quarter in the determination of fuel and purchased power rates.	\$25,641,889	
2. Non-fuel O&M expense	\$137,023	
3. Balancing Account as of June 30, 2021	\$3,357	
4. Total Avoided Cost Included in Rate	\$25,782,269	
5. kWh Sales at G&T predicted for next quarter:	463,019,744	
6. Avoided Cost per kWh at G&T (L4) / L5	<u>\$0.05568</u>	I
7. Avoided Cost at Retail Primary Voltage		
a) Retail Primary kWh Sales at G&T	77,711,437	
(Percent Primary Distribution Losses at G&T: 4.01%)		
b) Retail Primary kWh Sales at Delivery	74,596,347	
c) Avoided Costs per kWh at Retail Primary (L6 x L7a / L7b)	<u>\$0.05801</u>	I
8. Avoided Cost at Retail Secondary Voltage		
a) Retail Secondary kWh Sales at G&T	465,941,450	
(Percent Secondary Distribution Losses at G&T: 4.72%)		
b) Retail Secondary kWh Sales at Delivery	443,932,752	
c) Avoided Costs per kWh at Retail Secondary (L6 x L8a / L8b)	<u>\$0.05844</u>	I

These rates will change concurrently with cost of power factor adjustments and general rate revisions.

Tariff Advice No. 390-121

Issued by:

Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

Effective: October 1, 2021

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4th Revision Sheet No. 66

Chugach Electric Association, Inc.

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STATE OF ALASKA
REGULATORY COMMISSION OF ALASKA

COST OF POWER ADJUSTMENT FACTORS AT G&T POST ACQUISITION

e.1. Fuel Adjustment Factor: Predicted Costs for the quarter beginning July 1, 2021

	Total	Retail	Seward
Natural Gas Fuel Expense by Contract			
AIX Energy, LLC (4/2016-3/2024)	\$0	\$0	\$0
BRU	\$4,493,214	\$4,355,505	\$137,709
Cook Inlet Energy (2014-3/2023)	\$0	\$0	\$0
Furie (11/2021-3/2023)	\$0	\$0	\$0 D, N
Hilcorp Alaska, LLC - Firm (1/2015-3/2028)	\$13,386,143	\$12,975,882	\$410,261
Hilcorp Alaska, LLC - Non-Firm (2/2021-8/2021)	\$0	\$0	\$0
Other Fuel Expenses			
Emergency Generator and Other Misc. Fuel	\$0	\$0	\$0
CINGSA - FSS, ISS and Fees	\$1,282,062	\$1,242,769	\$39,293
CINGSA - Gas Withdrawn	\$0	\$0	\$0
Gas Transportation and Compression	\$2,079,027	\$2,015,308	\$63,718
	\$21,240,445	\$20,589,465	\$650,981
Less Credits			
Economy Sales: Fuel and Margins	(\$519,725)	(\$503,796)	(\$15,929)
Wheeling Revenue	(\$246,308)	(\$238,759)	(\$7,549)
AWWU Water Sales	(\$105,000)	(\$101,782)	(\$3,218)
Pooling Agreement - MEA	(\$138,000)	(\$133,771)	(\$4,229)
Gas Exchange Revenue	\$0	\$0	\$0
Subtotal	(\$1,009,032)	(\$978,107)	(\$30,925)
Net Fuel Expense	\$20,231,413	\$19,611,357	\$620,056
Generation & Purchases (MWh)	491,697.9	476,868.0	14,829.8
Cost per MWh at Generation	\$41.15	\$41.13	\$41.81
Projected Balances as of June 30, 2021	\$369,370	\$369,370	\$0
Fuel Expense to be Recovered at G&T	\$20,600,783	\$19,980,727	\$620,056
Predicted Sales at G&T (MWh)	480,948.3	466,442.7	14,505.6
Fuel Adjustment Factor per kWh at G&T	\$0.04283	\$0.04284	----*

*Not calculated. Seward is billed for actual cost of power on a monthly basis.

Tariff Advice No: 389-121

Issued by:

Effective: November 1, 2021

Chugach Electric Association, Inc
P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 121 6th Revision Sheet No. 66



Canceling

5th Revision Sheet No. 66

Chugach Electric Association, Inc.



COST OF POWER ADJUSTMENT FACTORS AT G&T POST ACQUISITION

e.1. Fuel Adjustment Factor: Predicted Costs for the quarter beginning October 1, 2021

	Total	Retail	Seward
Natural Gas Fuel Expense by Contract			
AIX Energy, LLC (4/2016-3/2024)	\$0	\$0	\$0
BRU	\$4,918,231	\$4,792,307	\$125,924
Cook Inlet Energy (2014-3/2023)	\$0	\$0	\$0
Furie (11/2021-3/2023)	\$0	\$0	\$0
Hilcorp Alaska, LLC - Firm (1/2015-3/2028)	\$14,662,289	\$14,286,884	\$375,405
Hilcorp Alaska, LLC - Non-Firm (2/2021-8/2021)	\$0	\$0	\$0
Other Fuel Expenses			
Emergency Generator and Other Misc. Fuel	\$0	\$0	\$0
CINGSA - FSS, ISS and Fees	\$1,367,035	\$1,332,034	\$35,001
CINGSA - Gas Withdrawn	\$3,420,687	\$3,333,106	\$87,581
Gas Transportation and Compression	\$2,313,555	\$2,254,320	\$59,235
	\$26,681,798	\$25,998,652	\$683,146
Less Credits			
Economy Sales: Fuel and Margins	(\$696,728)	(\$678,890)	(\$17,839)
Wheeling Revenue	(\$144,865)	(\$141,156)	(\$3,709)
AWWU Water Sales	(\$105,000)	(\$102,312)	(\$2,688)
Pooling Agreement - MEA	(\$164,444)	(\$160,234)	(\$4,210)
Gas Exchange Revenue	\$0	\$0	\$0
Subtotal	(\$1,111,038)	(\$1,082,591)	(\$28,446)
Net Fuel Expense	\$25,570,760	\$24,916,061	\$654,699
Generation & Purchases (MWh)	570,062.4	555,804.0	14,258.4
Cost per MWh at Generation	\$44.86	\$44.83	\$45.92
Projected Balances as of September 30, 2021	(\$2,124,354)	(\$2,124,354)	\$0
Fuel Expense to be Recovered at G&T	\$23,446,406	\$22,791,707	\$654,699
Predicted Sales at G&T (MWh)	557,599.6	543,652.9	13,946.7
Fuel Adjustment Factor per kWh at G&T	\$0.04205	\$0.04192	----* R, R

*Not calculated. Seward is billed for actual cost of power on a monthly basis.

Tariff Advice No. 390-121

Issued by:

Effective: November 1, 2021

Chugach Electric Association, Inc
P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 8 7th Revision Sheet No. 93



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6th Revision Sheet No. 93

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STATE OF ALASKA
REGULATORY COMMISSION OF ALASKA

Chugach Electric Association, Inc.

Restricted Rate Reduction Account Rebate

The Restricted Rate Reduction (RRR) account rebate returns \$36 million from the Municipality of Anchorage.¹ The RRR account rebate is returned to North District members in approximately equal dollar amounts over a targeted 36-month period beginning January 1, 2021 and continues until the RRR account balance is depleted. Because the RRR account rebate is determined by projected sales and incorporates a balancing account, the actual return of the RRR account rebate may be shorter or longer than 36-months. In addition to the initial RRR account balance of \$36 million, interest earned on account balances is included in the rebate amounts.

The RRR rebate is adjusted quarterly consistent with the timing of Chugach's cost of power adjustment filings.

A. Applicability

The rebate is applicable to all North District members.

B. RRR Account Rebate Balancing Account

Chugach shall maintain a balancing account for the RRR account rebate to North District members. The North District balancing account begins with a credit balance of \$36,000,000 on October 30, 2020. Beginning January 1, 2021, the account is reduced monthly by the rebate amount. The amount shall include all interest earned on account balances.

C. Rebate

North District customer billings will be adjusted on a quarterly basis to reflect changes in the rebate amounts.

Restricted Rate Reduction Account Rebate: (\$0.01551) per kWh I

¹ See Order No. U-18-102(44)/U-19-020(39)/U-19-021(39) issued by the Regulatory Commission of Alaska on May 28, 2020.

Pursuant to U-19-085(26)/U-19-091(25)/U-20-071(8)

Tariff Advice No.: 507-8 Issued by: Effective: July 1, 2021
Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 8 8th Revision Sheet No. 93



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7th Revision Sheet No. 93



Chugach Electric Association, Inc.

Restricted Rate Reduction Account Rebate

The Restricted Rate Reduction (RRR) account rebate returns \$36 million from the Municipality of Anchorage.¹ The RRR account rebate is returned to North District members in approximately equal dollar amounts over a targeted 36-month period beginning January 1, 2021 and continues until RRR account balance is depleted. Because the RRR account rebate is determined by projected sales and incorporates a balancing account, the actual return of the RRR account rebate may be shorter or longer than 36-months. In addition to the initial RRR account balance of \$36 million, interest earned on account balances is included in the rebate amounts.

The RRR rebate is adjusted quarterly consistent with the timing of Chugach's cost of power adjustment filings.

A. Applicability

The rebate is applicable to all North District members.

B. RRR Account Rebate Balancing Account

Chugach shall maintain a balancing account for the RRR account rebate to North District members. The North District balancing account begins with a credit balance of \$36,000,000 on October 30, 2020. Beginning January 1, 2021, the account is reduced monthly by the rebate amount. The amount shall include all interest earned on account balances.

C. Rebate

North District member billings will be adjusted on a quarterly basis to reflect changes in the rebate amounts.

Restricted Rate Reduction Account Rebate: (\$0.01628) per kWh I

¹ See Order No. U-18-102(44)/U-19-020(39)/U-19-021(39) issued by the Regulatory Commission of Alaska on May 28, 2020.

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Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

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44th Revision Sheet No. 94.04

Chugach Electric Association, Inc.

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STATE OF ALASKA
REGULATORY COMMISSION OF ALASKA

**COST OF POWER ADJUSTMENT FACTORS AT G&T
POST ACQUISITION (CONTINUED)**

e.2. Purchased Power Adj. Factor: Predicted costs for the quarter beginning July 1, 2021

Description	Total	Retail	Seward
Purchased Power Expense			
Bradley Lake Purchases	\$1,945,869	\$1,886,232	\$59,637
Base FIW Renewable Resource Cost	\$758,952	\$758,952	\$0
Non-Utility Generation	\$0	\$0	\$0
Pooling Agreement - MEA	\$0	\$0	\$0
Other Purchases	\$124,011	\$120,210	\$3,801
Subtotal	\$2,828,832	\$2,765,394	\$63,438
Less Purchased Power Credits			
Renewable Energy Certificates	\$0	\$0	\$0
Wheeling and Economy Revenue	(\$168,153)	(\$163,000)	(\$5,154)
Subtotal	(\$168,153)	(\$163,000)	(\$5,154)
Net Purchased Power Expense	\$2,660,679	\$2,602,394	\$58,284
Generation & Purchases (MWh)	491,697.9	476,868.0	14,829.8
Cost per MWh at Generation	\$5.41	\$5.46	\$3.93
Projected Balances as of June 30, 2021	(\$327,959)	(\$327,959)	\$0
Purchased Power Expense to be Recovered	\$2,332,720	\$2,274,435	\$58,284
Predicted Sales at G&T (MWh)	480,948.3	466,442.7	14,505.6
Purchased Power Adjustment Factor per kWh at G&T	\$0.00485	\$0.00488	----* R

* Not calculated. Seward is billed for cost of power on a monthly basis.

Tariff Advice No.: 507-8 Issued by: Effective: July 1, 2021
Pursuant to U-19-085(26)/U-19-091(25)/U-20-071(8)
Chugach Electric Association, Inc
P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 8 46th Revision Sheet No. 94.04



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45th Revision Sheet No. 94.04

Chugach Electric Association, Inc.



**COST OF POWER ADJUSTMENT FACTORS AT G&T
POST ACQUISITION (CONTINUED)**

e.2. Purchased Power Adj. Factor: Predicted costs for the quarter beginning October 1, 2021

Description	Total	Retail	Seward
Purchased Power Expense			
Bradley Lake Purchases	\$2,034,645	\$1,982,551	\$52,094
Base FIW Renewable Resource Cost	\$1,277,250	\$1,277,250	\$0
Non-Utility Generation	\$0	\$0	\$0
Pooling Agreement - MEA	\$0	\$0	\$0
Other Purchases	\$255,869	\$249,318	\$6,551
Subtotal	\$3,567,764	\$3,509,119	\$58,645
Less Purchased Power Credits			
Renewable Energy Certificates	\$0	\$0	\$0
Wheeling and Economy Revenue	(\$184,740)	(\$180,010)	(\$4,730)
Subtotal	(\$184,740)	(\$180,010)	(\$4,730)
Net Purchased Power Expense	\$3,383,024	\$3,329,109	\$53,915
Generation & Purchases (MWh)	570,062.4	555,804.0	14,258.4
Cost per MWh at Generation	\$5.93	\$5.99	\$3.78
Projected Balances as of September 30, 2021	(\$754,476)	(\$754,476)	\$0
Purchased Power Expense to be Recovered	\$2,628,548	\$2,574,633	\$53,915
Predicted Sales at G&T (MWh)	557,599.6	543,652.9	13,946.7
Purchased Power Adjustment Factor per kWh at G&T	\$0.00471	\$0.00474	----* R, R

* Not calculated. Seward is billed for cost of power on a monthly basis.

Tariff Advice No. 512-8 Issued by: Effective: October 1, 2021
Chugach Electric Association, Inc
P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 8 55th Revision Sheet No. 94.05



Canceling

54th Revision Sheet No. 94.05

Chugach Electric Association, Inc.

**COST OF POWER ADJUSTMENT FACTORS AT G&T
POST ACQUISITION (CONTINUED)**

e.3. Incremental Fire Island Wind Adjustment Factor:
Predicted costs for the quarter beginning July 1, 2021

Description	Total	Retail	Seward
Predicted FIW Purchases (MWh)	7,824.2	7,824.2	----
Purchased Power Rate	\$97.00	\$97.00	----
Total FIW Purchased Power Cost	\$758,952	\$758,952	----
Chugach Avoided Energy Cost at G&T (MWh)	\$54.86	\$54.86	----
Estimated Cost Avoided Due to FIW Purchases	\$429,243	\$429,243	----
Fire Island Wind Cost Differential	\$329,709	\$329,709	----
Chugach Retail Generation & Purchases (MWh)	476,868.0	476,868.0	----
Cost per MWh at Generation	\$0.69	\$0.69	----
Predicted Sales at G&T (MWh)	476,868.0	476,868.0	----
FIW Adjustment Factor per kWh at G&T	\$0.00069	\$0.00069	----

R, R

e.4. Summary of fuel and purchased power cost adjustment factors at G&T
for rates effective July 1, 2021

Fuel & Purch. Pwr Costs to be Recovered	\$23,221,801	\$22,543,461	\$678,340
Generation & Purchases (MWh)	491,697.9	476,868.0	14,829.8
Cost per MWh at Generation	\$47.23	\$47.27	----
Projected Balances as of June 30, 2021	\$41,410	\$41,410	\$0
Total Costs Recovered at G&T	\$23,263,211	\$22,584,871	\$678,340
Predicted Sales at G&T (MWh)	480,948.3	466,442.7	14,505.6
Fuel and Purchased Power Adjustment			
Factor per kWh at G&T	\$0.04837	\$0.04842	---- *

I, I

*Not calculated. Seward is billed for actual cost of power on a monthly basis.

Tariff Advice No.: 507-8 Issued by: Effective: July 1, 2021
Pursuant to U-19-085(26)/U-19-091(25)/U-20-071(8) Chugach Electric Association, Inc.
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RCA NO.: 8 56th Revision Sheet No. 94.05



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55th Revision Sheet No. 94.05

Chugach Electric Association, Inc.

**COST OF POWER ADJUSTMENT FACTORS AT G&T
POST ACQUISITION (CONTINUED)**

e.3. Incremental Fire Island Wind Adjustment Factor:
Predicted costs for the quarter beginning October 1, 2021

Description	Total	Retail	Seward
Predicted FIW Purchases (MWh)	13,167.5	13,167.5	----
Purchased Power Rate	\$97.00	\$97.00	----
Total FIW Purchased Power Cost	\$1,277,250	\$1,277,250	----
Chugach Avoided Energy Cost at G&T (MWh)	\$55.68	\$55.68	----
Estimated Cost Avoided Due to FIW Purchases	\$733,206	\$733,206	----
Fire Island Wind Cost Differential	\$544,044	\$544,044	----
Chugach Retail Generation & Purchases (MWh)	555,804.0	555,804.0	----
Cost per MWh at Generation	\$0.98	\$0.98	----
Predicted Sales at G&T (MWh)	555,804.0	555,804.0	----
FIW Adjustment Factor per kWh at G&T	\$0.00098	\$0.00098	----

I, I

e.4. Summary of fuel and purchased power cost adjustment factors at G&T
for rates effective October 1, 2021

Fuel & Purch. Pwr Costs to be Recovered	\$29,497,828	\$28,789,214	\$708,614
Generation & Purchases (MWh)	570,062.4	555,804.0	14,258.4
Cost per MWh at Generation	\$51.74	\$51.80	----
Projected Balances as of September 30, 2021	(\$2,878,830)	(\$2,878,830)	\$0
Total Costs Recovered at G&T	\$26,618,999	\$25,910,384	\$708,614
Predicted Sales at G&T (MWh)	557,599.6	543,652.9	13,946.7
Fuel and Purchased Power Adjustment			
Factor per kWh at G&T	\$0.04774	\$0.04766	---- *

R, R

*Not calculated. Seward is billed for actual cost of power on a monthly basis.

Tariff Advice No. 512-8 Issued by: Effective: October 1, 2021
Chugach Electric Association, Inc.
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RCA NO.: 8 101st Revision Sheet No. 94.1



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100th Revision Sheet No. 94.1

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COST OF POWER ADJUSTMENT FACTORS
POST ACQUISITION AT RETAIL DELIVERY: PRIMARY SERVICE

e.5. Chugach retail cost of power adjustment factors for rates effective July 1, 2021

1. Total Chugach Retail Fuel and Purchased Power Cost Recovery	\$22,584,871
2. Retail Fuel Adjustment Factor per kWh at G&T	\$0.04284
3. Retail Purchased Power Adjustment Factor per kWh at G&T	\$0.00488
4. Fire Island Wind Adjustment Factor per kWh at G&T	\$0.00069

5. Chugach Retail Service at Primary Voltage

A. Fuel Adjustment Factor

a) Primary kWh Sales at G&T	66,806,231.6	
b) Fuel Cost Recovery - Primary Voltage	\$2,861,979	
c) Primary kWh Sales at Delivery	65,312,609.3	
d) Fuel Adjustment Factor per kWh at Primary	<u>\$0.04382</u>	I
(Percent Primary Distribution Losses at G&T: 2.24%)		

B. Purchased Power Adjustment Factor

a) Primary kWh Sales at G&T	66,806,231.6	
b) Purchased Power Cost Recovery - Primary Voltage	\$326,014	
c) Primary kWh Sales at Delivery	65,312,609.3	
d) Purchased Power Adj. Factor per kWh at Primary	<u>\$0.00499</u>	R

C. Fire Island Wind Renewable Energy Adjustment Factor

a) Primary kWh Sales at G&T	66,806,231.6	
b) FIW Cost Differential - Primary Voltage	\$46,096	
c) Primary kWh Sales at Delivery	65,312,609.3	
d) FIW Renewable Energy Adj. Factor per kWh at Primary	<u>\$0.00071</u>	R

D. Total Retail Service at Primary Voltage Delivery	\$0.04952	I
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Pursuant to U-19-085(26)/U-19-091(25)/U-20-071(8) Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 8 102nd Revision Sheet No. 94.1



Canceling

101st Revision Sheet No. 94.1

Chugach Electric Association, Inc.



COST OF POWER ADJUSTMENT FACTORS
POST ACQUISITION AT RETAIL DELIVERY: PRIMARY SERVICE

e.5. Chugach retail cost of power adjustment factors for rates effective October 1, 2021

1. Total Chugach Retail Fuel and Purchased Power Cost Recovery	\$25,910,384
2. Retail Fuel Adjustment Factor per kWh at G&T	\$0.04192
3. Retail Purchased Power Adjustment Factor per kWh at G&T	\$0.00474
4. Fire Island Wind Adjustment Factor per kWh at G&T	\$0.00098

5. Chugach Retail Service at Primary Voltage

A. Fuel Adjustment Factor

a) Primary kWh Sales at G&T	77,711,437.0	
b) Fuel Cost Recovery - Primary Voltage	\$3,257,663	
c) Primary kWh Sales at Delivery	74,596,346.8	
d) Fuel Adjustment Factor per kWh at Primary	<u>\$0.04367</u>	R
(Percent Primary Distribution Losses at G&T: 4.01%)		

B. Purchased Power Adjustment Factor

a) Primary kWh Sales at G&T	77,711,437.0	
b) Purchased Power Cost Recovery - Primary Voltage	\$368,352	
c) Primary kWh Sales at Delivery	74,596,346.8	
d) Purchased Power Adj. Factor per kWh at Primary	<u>\$0.00494</u>	R

C. Fire Island Wind Renewable Energy Adjustment Factor

a) Primary kWh Sales at G&T	77,711,437.0	
b) FIW Cost Differential - Primary Voltage	\$76,157	
c) Primary kWh Sales at Delivery	74,596,346.8	
d) FIW Renewable Energy Adj. Factor per kWh at Primary	<u>\$0.00102</u>	I

D. Total Retail Service at Primary Voltage Delivery	\$0.04963	I
---	-----------	---

Tariff Advice No. 512-8 Issued by: Effective: October 1, 2021
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**COST OF POWER ADJUSTMENT FACTORS
POST ACQUISITION AT RETAIL DELIVERY: SECONDARY SERVICE**

e.6. Chugach retail cost of power adjustment factors for rates effective July 1, 2021

6. Chugach Retail Service at Secondary Voltage

A. Fuel Adjustment Factor

a) Secondary kWh Sales at G&T	399,636,429.2	
b) Fuel Cost Recovery - Secondary Voltage	\$17,120,425	
c) Secondary kWh Sales at Delivery	387,791,557.9	
d) Fuel Adjustment Factor per kWh at Secondary	<u>\$0.04415</u>	I
(Percent Secondary Distribution Losses at G&T: 2.96%)		

B. Purchased Power Adjustment Factor

a) Predicted Secondary kWh Sales at G&T	399,636,429.2	
b) Purchased Power Cost Recovery - Secondary Voltage	\$1,950,226	
c) Predicted Secondary kWh Sales at Delivery	387,791,557.9	
d) Purchased Power Adj. Factor per kWh at Secondary	<u>\$0.00503</u>	R

C. Fire Island Wind Renewable Energy Adjustment Factor

a) Predicted Secondary kWh Sales at G&T	399,636,429.2	
b) FIW Cost Differential - Secondary Voltage	\$275,749	
c) Predicted Secondary kWh Sales at Delivery	387,791,557.9	
d) FIW Renewable Energy Adj. Factor per kWh at Secondary	<u>\$0.00071</u>	R

D. Total Retail Service at Secondary Voltage Delivery \$0.04989 I

Pursuant to U-19-085(26)/U-19-091(25)/U-20-071(8)

Tariff Advice No.: 507-8 Issued by: Effective: July 1, 2021
Chugach Electric Association, Inc.
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40th Revision Sheet No. 94.1.1

Chugach Electric Association, Inc.



**COST OF POWER ADJUSTMENT FACTORS
POST ACQUISITION AT RETAIL DELIVERY: SECONDARY SERVICE**

e.6. Chugach retail cost of power adjustment factors for rates effective October 1, 2021

6. Chugach Retail Service at Secondary Voltage

A. Fuel Adjustment Factor

a) Secondary kWh Sales at G&T	465,941,450.1	
b) Fuel Cost Recovery - Secondary Voltage	\$19,532,266	
c) Secondary kWh Sales at Delivery	443,932,752.4	
d) Fuel Adjustment Factor per kWh at Secondary	<u>\$0.04400</u>	R
(Percent Secondary Distribution Losses at G&T: 4.72%)		

B. Purchased Power Adjustment Factor

a) Predicted Secondary kWh Sales at G&T	465,941,450.1	
b) Purchased Power Cost Recovery - Secondary Voltage	\$2,208,562	
c) Predicted Secondary kWh Sales at Delivery	443,932,752.4	
d) Purchased Power Adj. Factor per kWh at Secondary	<u>\$0.00497</u>	R

C. Fire Island Wind Renewable Energy Adjustment Factor

a) Predicted Secondary kWh Sales at G&T	465,941,450.1	
b) FIW Cost Differential - Secondary Voltage	\$456,623	
c) Predicted Secondary kWh Sales at Delivery	443,932,752.4	
d) FIW Renewable Energy Adj. Factor per kWh at Secondary	<u>\$0.00103</u>	I

D. Total Retail Service at Secondary Voltage Delivery \$0.05000 I

Tariff Advice No. 512-8 Issued by: Effective: October 1, 2021
Chugach Electric Association, Inc.
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RCA NO.: 8 2nd Revision Sheet No. 94.1.2



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RCA NO.: 8 3rd Revision Sheet No. 94.1.2



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2nd Revision Sheet No. 94.1.2

Chugach Electric Association, Inc.



**COST OF POWER ADJUSTMENT FACTORS POST ACQUISITION
WITH BRU CONTRIBUTED CAPITAL AND RRR REBATE ADJUSTMENTS**

	South District		North District		
	Primary	Secondary	Primary	Secondary	
Fuel Rate	\$0.04382	\$0.04415	\$0.04382	\$0.04415	I, I, I, I
Purchased Power Rate	\$0.00499	\$0.00503	\$0.00499	\$0.00503	R, R, R, R
FIW Adj Factor	\$0.00071	\$0.00071	\$0.00071	\$0.00071	R, R, R, R
Subtotal	\$0.04952	\$0.04989	\$0.04952	\$0.04989	I, I, I, I
BRU Contributed Capital	\$0.01698	\$0.01698	(\$0.01825)	(\$0.01825)	I, I, R, R
Subtotal	\$0.06650	\$0.06687	\$0.03127	\$0.03164	I, I, I, I
RRR Rebate	---	---	(\$0.01551)	(\$0.01551)	I, I
Total per kWh Rate	\$0.06650	\$0.06687	\$0.01576	\$0.01613	I, I, R, R

Pursuant to U-19-085(26)/U-19-091(25)/U-20-071(8)

Tariff Advice No.: 507-8

Issued by:

Effective: July 1, 2021

Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

**COST OF POWER ADJUSTMENT FACTORS POST ACQUISITION
WITH BRU CONTRIBUTED CAPITAL AND RRR REBATE ADJUSTMENTS**

	South District		North District		
	Primary	Secondary	Primary	Secondary	
Fuel Rate	\$0.04367	\$0.04400	\$0.04367	\$0.04400	R, R, R, R
Purchased Power Rate	\$0.00494	\$0.00497	\$0.00494	\$0.00497	R, R, R, R
FIW Adj Factor	\$0.00102	\$0.00103	\$0.00102	\$0.00103	I, I, I, I
Subtotal	\$0.04963	\$0.05000	\$0.04963	\$0.05000	I, I, I, I
BRU Contributed Capital	\$0.01540	\$0.01540	(\$0.01497)	(\$0.01497)	R, R, R, R
Subtotal	\$0.06503	\$0.06540	\$0.03466	\$0.03503	R, R, I, I
RRR Rebate	---	---	(\$0.01628)	(\$0.01628)	I, I
Total per kWh Rate	\$0.06503	\$0.06540	\$0.01839	\$0.01876	R, R, I, I

Tariff Advice No. 512-8

Issued by:

Effective: October 1, 2021

Chugach Electric Association, Inc.
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RCA NO.: 8 43rd Revision Sheet No. 95.04



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42nd Revision Sheet No. 95.04

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**COST OF POWER ADJUSTMENT FACTORS POST ACQUISITION
(CONTINUED)**

f.2. Actual purchased power costs for the quarter ending March 31, 2021

Description	Total	Retail	Seward
Purchased Power Adjustment Factor			
Balance as of December 31, 2020	(\$3,626,410)	(\$3,626,410)	\$0
Purchased Power Expense			
Bradley Lake Purchases	\$2,932,379	\$2,868,457	\$63,922
FIW Renewable Resource Expense	\$1,260,876	\$1,260,876	\$0
Non-Utility Generation	\$4,259	\$4,140	\$120
Pooling Agreement - MEA	\$0	\$0	\$0
Other Purchases	\$96,401	\$93,694	\$2,707
Subtotal	\$4,293,915	\$4,227,167	\$66,749
Less Purchased Power Credits			
Renewable Energy Certificates	\$0	\$0	\$0
Wheeling and Economy Revenue	(\$286,768)	(\$278,621)	(\$8,148)
Subtotal	(\$286,768)	(\$278,621)	(\$8,148)
Net Purchased Power Expense	\$4,007,147	\$3,948,546	\$58,601
Generation & Purchases (MWh)	556,193	540,857	15,336
Cost per MWh at Generation	\$7.20	\$7.30	\$3.82
Purchased Power Cost Recovery	\$3,410,885	\$3,352,284	\$58,601
Quarter Balance	\$596,262	\$596,262	\$0

Pursuant to U-19-085(26)/U-19-091(25)/U-20-071(8)

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Chugach Electric Association, Inc.
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RCA NO.: 8 44th Revision Sheet No. 95.04



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43rd Revision Sheet No. 95.04

Chugach Electric Association, Inc.



**COST OF POWER ADJUSTMENT FACTORS POST ACQUISITION
(CONTINUED)**

f.2. Actual purchased power costs for the quarter ending June 30, 2021

Description	Total	Retail	Seward
Purchased Power Adjustment Factor			
Balance as of March 31, 2021	(\$3,030,148)	(\$3,030,148)	\$0
Purchased Power Expense			
Bradley Lake Purchases	\$3,186,221	\$3,103,471	\$82,750
FIW Renewable Resource Expense	\$1,215,043	\$1,215,043	\$0
Non-Utility Generation	\$14,276	\$13,822	\$454
Pooling Agreement - MEA	\$5,253	\$5,085	\$168
Other Purchases	\$103,740	\$100,458	\$3,283
Subtotal	\$4,524,533	\$4,437,879	\$86,655
Less Purchased Power Credits			
Renewable Energy Certificates	\$0	\$0	\$0
Wheeling and Economy Revenue	(\$428,214)	(\$414,776)	(\$13,439)
Subtotal	(\$428,214)	(\$414,776)	(\$13,439)
Net Purchased Power Expense	\$4,096,319	\$4,023,103	\$73,216
Generation & Purchases (MWh)	479,289	464,555	14,735
Cost per MWh at Generation	\$8.55	\$8.66	\$4.97
Purchased Power Cost Recovery	\$2,349,395	\$2,276,179	\$73,216
Quarter Balance	\$1,746,924	\$1,746,924	\$0

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51st Revision Sheet No. 95.05

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**COST OF POWER ADJUSTMENT FACTORS POST ACQUISITION
(CONTINUED)**

f.3. Summary of Actual Cost of Power Adjustment Factor Balances

Description	Total	Retail	Seward
Fuel and Purchased Power Balance as of December 31, 2020	(\$4,476,074)	(\$4,476,074)	\$0
Balance for Quarter Ending March 31, 2021			
Fuel and Purchased Power Costs	\$25,748,102	\$25,073,209	\$674,893
Generation & Purchases (MWh)	556,193	540,857	15,336
Cost per MWh at Generation	\$46.29	\$46.36	\$44.01
Fuel and Purchased Power Recovery Balance for Quarter Ended March 31, 2021	\$24,389,981 \$1,358,121	\$23,715,089 \$1,358,121	\$674,893 \$0
Cumulative Balance at Quarter Ended March 31, 2021	(\$3,117,953)	(\$3,117,953)	\$0

Pursuant to U-19-085(26)/U-19-091(25)/U-20-071(8)

Tariff Advice No.: 507-8 Issued by: Effective: July 1, 2021
Chugach Electric Association, Inc.
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Canceling

52nd Revision Sheet No. 95.05

Chugach Electric Association, Inc.



**COST OF POWER ADJUSTMENT FACTORS POST ACQUISITION
(CONTINUED)**

f.3. Summary of Actual Cost of Power Adjustment Factor Balances

Description	Total	Retail	Seward
Fuel and Purchased Power Balance as of March 31, 2021	(\$3,117,953)	(\$3,117,953)	\$0
Balance for Quarter Ending June 30, 2021			
Fuel and Purchased Power Costs	\$22,877,631	\$22,211,797	\$665,834
Generation & Purchases (MWh)	479,289	464,555	14,735
Cost per MWh at Generation	\$47.73	\$47.81	\$45.19
Fuel and Purchased Power Recovery Balance for Quarter Ended June 30, 2021	\$22,830,036 \$47,596	\$22,164,201 \$47,596	\$665,834 \$0
Cumulative Balance at Quarter Ended June 30, 2021	(\$3,070,358)	(\$3,070,358)	\$0

Tariff Advice No. 512-8 Issued by: Effective: October 1, 2021
Chugach Electric Association, Inc.
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29th Revision Sheet No. 96

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STATE OF ALASKA
REGULATORY COMMISSION OF ALASKA

Chugach Electric Association, Inc.

Beluga River Unit Contributed Capital Surcharge and Rebate

The Beluga River Unit Contributed Capital (BRU Contributed Capital) adjustment process governs the collection of funds through a surcharge assessed to South District customers and the disbursement of funds to North District customers through a rebate over a targeted 120-month period, beginning January 1, 2021.¹ The BRU Contributed Capital adjustment mechanism reconciles historical contributions and future ratepayer benefit between customers served in the South District and North District in the amount of \$176,612,912, or \$136,002,239 on a present value basis (10 years, 5% interest rate).

BRU Contributed Capital surcharge and rebate amounts are adjusted quarterly consistent with the timing of Chugach's cost of power adjustment filings. Because the surcharge and rebate amounts are determined by projected sales and incorporate balancing accounts, the actual life of the BRU Contributed Capital adjustment process may be shorter or longer than the 120-month period.

A. Applicability

The surcharge is applicable to all South District members and the rebate is applicable to all North District members.

B. BRU Contributed Capital Balancing Accounts

Chugach shall maintain a BRU Contributed Capital surcharge balancing account for South District members and a BRU Contributed Capital rebate balancing account for North District members. The South District balancing account starts with a debit balance of \$176,612,912 reflecting the amounts due from the South District members. The North District balancing account starts with a credit balance of \$176,612,912 reflecting the amount to be rebated. Each account will be reduced monthly by the amount of the surcharge collected and rebate returned to the members.

C. Surcharge and Rebate Amounts

Customer billings will be adjusted on a quarterly basis to reflect changes in surcharge and rebate amounts.

South District BRU Contributed Capital Surcharge:	\$0.01698	per kWh	I
North District BRU Contributed Capital Rebate:	(\$0.01825)	per kWh	R

¹ See Order No. U-18-102(44)/U-19-020(39)/U-19-021(39) issued by the Regulatory Commission of Alaska on May 28, 2020.

Pursuant to U-19-085(26)/U-19-091(25)/U-20-071(8)

Tariff Advice No.: 507-8	Issued by:	Effective: July 1, 2021
Chugach Electric Association, Inc.		
P.O. Box 196300 Anchorage, Alaska 99519-6300		

RCA NO.: 8 31st Revision Sheet No. 96



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30th Revision Sheet No. 96



Chugach Electric Association, Inc.

Beluga River Unit Contributed Capital Surcharge and Rebate

The Beluga River Unit Contributed Capital (BRU Contributed Capital) adjustment process governs the collection of funds through a surcharge assessed to South District members and the disbursement of funds to North District members through a rebate over a targeted 120-month period, beginning January 1, 2021.¹ The BRU Contributed Capital adjustment mechanism reconciles historical contributions and future ratepayer benefit between members served in the South District and North District in the amount of \$176,612,912, or \$136,002,239 on a present value basis (10 years, 5% interest rate).

BRU Contributed Capital surcharge and rebate amounts are adjusted quarterly consistent with the timing of Chugach's cost of power adjustment filings. Because the surcharge and rebate amounts are determined by projected sales and incorporate balancing accounts, the actual life of the BRU Contributed Capital adjustment process may be shorter or longer than the 120-month period.

A. Applicability

The surcharge is applicable to all South District members and the rebate is applicable to all North District members.

B. BRU Contributed Capital Balancing Accounts

Chugach shall maintain a BRU Contributed Capital surcharge balancing account for South District members and a BRU Contributed Capital rebate balancing account for North District members. The South District balancing account starts with a debit balance of \$176,612,912 reflecting the amounts due from the South District members. The North District balancing account starts with a credit balance of \$176,612,912 reflecting the amount to be rebated. Each account will be reduced monthly by the amount of the surcharge collected and rebate returned to the members.

C. Surcharge and Rebate Amounts

Member billings will be adjusted on a quarterly basis to reflect changes in surcharge and rebate amounts.

South District BRU Contributed Capital Surcharge:	\$0.01540	per kWh	R
North District BRU Contributed Capital Rebate:	(\$0.01497)	per kWh	R

¹ See Order No. U-18-102(44)/U-19-020(39)/U-19-021(39) issued by the Regulatory Commission of Alaska on May 28, 2020.

Tariff Advice No. 512-8	Issued by:	Effective: October 1, 2021
Chugach Electric Association, Inc.		
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144th Revision Sheet No. 97

Chugach Electric Association, Inc.

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STATE OF ALASKA
REGULATORY COMMISSION OF ALASKA

**POST ACQUISITION PURCHASE AND SALES RATES FOR QUALIFIED COGENERATION,
SMALL POWER PRODUCTION, AND STANDBY/BUYBACK FACILITIES**

Available in all territory served by Chugach, or as required pursuant to contractual arrangements under wholesale power sales agreement. Applicable to qualified cogeneration, small power production and standby/buyback facilities of 200 kW or less. The type of service shall be single or three phase 60 hertz at Chugach's standard voltages.

Chugach reserves the right to limit the number of retail customers receiving service under the terms of this schedule to one per substation circuit. Chugach further reserves the right to reduce the buyback rates for costs associated with the integration of the energy produced by the qualifying facility into the Chugach system. Integration costs are project specific and determined through the completion of an integration study completed by Chugach.

Monthly Rates

Power sales supplied by Chugach to the customer to meet its electric requirements will be priced at the applicable rates. The rate paid by Chugach to the customer for kWh supplied by the customer to Chugach is the average avoided cost calculated as follows:

1. Fuel and purchased power expense, excluding Bradley Lake and Fire Island Wind, predicted for next quarter in the determination of fuel and purchased power rates.	\$20,187,271	
2. Non-fuel O&M expense	\$91,595	
3. Balancing Account as of March 31, 2021	\$3,357	
4. Total Avoided Cost Included in Rate	20,282,223	
5. kWh Sales at G&T predicted for next quarter:	369,704,650	
6. Avoided Cost per kWh at G&T (L4) / L5	<u>\$0.05486</u>	I
7. Avoided Cost at Retail Primary Voltage		
a) Retail Primary kWh Sales at G&T	66,806,232	
(Percent Primary Distribution Losses at G&T: 2.24%)		
b) Retail Primary kWh Sales at Delivery	65,312,609	
c) Avoided Costs per kWh at Retail Primary (L6 x L7a / L7b)	<u>\$0.05612</u>	R
8. Avoided Cost at Retail Secondary Voltage		
a) Retail Secondary kWh Sales at G&T	399,636,429	
(Percent Secondary Distribution Losses at G&T: 2.96%)		
b) Retail Secondary kWh Sales at Delivery	387,791,558	
c) Avoided Costs per kWh at Retail Secondary (L6 x L8a / L8b)	<u>\$0.05654</u>	R

These rates will change concurrently with cost of power factor adjustments and general rate revisions.

Pursuant to U-19-085(26)/U-19-091(25)/U-20-071(8)

Tariff Advice No.: 507-8

Issued by:

Effective: July 1, 2021

Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 8 146th Revision Sheet No. 97



Canceled

145th Revision Sheet No. 97

Chugach Electric Association, Inc.

**POST ACQUISITION PURCHASE AND SALES RATES FOR QUALIFIED COGENERATION,
SMALL POWER PRODUCTION, AND STANDBY/BUYBACK FACILITIES**

Available in all territory served by Chugach, or as required pursuant to contractual arrangements under wholesale power sales agreement. Applicable to qualified cogeneration, small power production and standby/buyback facilities of 200 kW or less. The type of service shall be single or three phase 60 hertz at Chugach's standard voltages.

Chugach reserves the right to limit the number of retail customers receiving service under the terms of this schedule to one per substation circuit. Chugach further reserves the right to reduce the buyback rates for costs associated with the integration of the energy produced by the qualifying facility into the Chugach system. Integration costs are project specific and determined through the completion of an integration study completed by Chugach.

Monthly Rates

Power sales supplied by Chugach to the customer to meet its electric requirements will be priced at the applicable rates. The rate paid by Chugach to the customer for kWh supplied by the customer to Chugach is the average avoided cost calculated as follows:

1. Fuel and purchased power expense, excluding Bradley Lake and Fire Island Wind, predicted for next quarter in the determination of fuel and purchased power rates.	\$25,641,889	
2. Non-fuel O&M expense	\$137,023	
3. Balancing Account as of June 30, 2021	\$3,357	
4. Total Avoided Cost Included in Rate	25,782,269	
5. kWh Sales at G&T predicted for next quarter:	463,019,744	
6. Avoided Cost per kWh at G&T (L4) / L5	<u>\$0.05568</u>	I
7. Avoided Cost at Retail Primary Voltage		
a) Retail Primary kWh Sales at G&T	77,711,437	
(Percent Primary Distribution Losses at G&T: 4.01%)		
b) Retail Primary kWh Sales at Delivery	74,596,347	
c) Avoided Costs per kWh at Retail Primary (L6 x L7a / L7b)	<u>\$0.05801</u>	I
8. Avoided Cost at Retail Secondary Voltage		
a) Retail Secondary kWh Sales at G&T	465,941,450	
(Percent Secondary Distribution Losses at G&T: 4.72%)		
b) Retail Secondary kWh Sales at Delivery	443,932,752	
c) Avoided Costs per kWh at Retail Secondary (L6 x L8a / L8b)	<u>\$0.05844</u>	I

These rates will change concurrently with cost of power factor adjustments and general rate revisions.

Tariff Advice No. 512-8

Issued by:

Effective: October 1, 2021

Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300



RCA NO.: 8 8th Revision Sheet No. 97.1.4



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7th Revision Sheet No. 97.1.4

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STATE OF ALASKA
REGULATORY COMMISSION OF ALASKA

Chugach Electric Association, Inc.

**COST OF POWER ADJUSTMENT FACTOR HISTORY
(SERVICE AT TRANSMISSION DELIVERY, RETAIL)**

For Rates Effective	Chugach Retail (Rate per kWh)			
	Total	Fuel	Purchased Power	FIW Adjustment Factor
October 1, 2019	\$0.06178	\$0.05868	\$0.00132	\$0.00178
November 1, 2019	\$0.06172	\$0.05862	\$0.00132	\$0.00178
January 1, 2020	\$0.06692	\$0.05799	\$0.00655	\$0.00238
April 1, 2020	\$0.06679	\$0.03845	\$0.02657	\$0.00177
July 1, 2020	\$0.06085	\$0.03874	\$0.02031	\$0.00180
October 1, 2020	\$0.06392	\$0.04548	\$0.01654	\$0.00190
Post Acquisition:				
January 1, 2021	\$0.04696	\$0.03936	\$0.00587	\$0.00173
April 1, 2021	\$0.04786	\$0.04214	\$0.00488	\$0.00084
July 1, 2021	\$0.04841	\$0.04284	\$0.00488	\$0.00069 N

Pursuant to U-19-085(26)/U-19-091(25)/U-20-071(8)

Tariff Advice No.: 507-8 Issued by: Effective: July 1, 2021
Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 8 9th Revision Sheet No. 97.1.4



Canceling

8th Revision Sheet No. 97.1.4



Chugach Electric Association, Inc.

**COST OF POWER ADJUSTMENT FACTOR HISTORY
(SERVICE AT TRANSMISSION DELIVERY, RETAIL)**

For Rates Effective	Chugach Retail (Rate per kWh)			
	Total	Fuel	Purchased Power	FIW Adjustment Factor
October 1, 2019	\$0.06178	\$0.05868	\$0.00132	\$0.00178
November 1, 2019	\$0.06172	\$0.05862	\$0.00132	\$0.00178
January 1, 2020	\$0.06692	\$0.05799	\$0.00655	\$0.00238
April 1, 2020	\$0.06679	\$0.03845	\$0.02657	\$0.00177
July 1, 2020	\$0.06085	\$0.03874	\$0.02031	\$0.00180
October 1, 2020	\$0.06392	\$0.04548	\$0.01654	\$0.00190
Post Acquisition:				
January 1, 2021	\$0.04696	\$0.03936	\$0.00587	\$0.00173
April 1, 2021	\$0.04786	\$0.04214	\$0.00488	\$0.00084
July 1, 2021	\$0.04841	\$0.04284	\$0.00488	\$0.00069
October 1, 2021	\$0.04764	\$0.04192	\$0.00474	\$0.00098 N

Tariff Advice No. 512-8 Issued by: Effective: October 1, 2021
Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 8 8th Revision Sheet No. 97.5.2



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7th Revision Sheet No. 97.5.2

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STATE OF ALASKA
REGULATORY COMMISSION OF ALASKA

Chugach Electric Association, Inc.

**COST OF POWER ADJUSTMENT FACTOR HISTORY
(SERVICE AT CHUGACH RETAIL DELIVERY)**

For Rates Effective	Primary Voltage (Rate per kWh)			
	Total	Fuel	Purchased Power	FIW Adjustment Factor
October 1, 2019	\$0.06720	\$0.06382	\$0.00144	\$0.00194
November 1, 2019	\$0.06714	\$0.06376	\$0.00144	\$0.00194
January 1, 2020	\$0.06862	\$0.05946	\$0.00672	\$0.00244
April 1, 2020	\$0.06822	\$0.03927	\$0.02714	\$0.00181
July 1, 2020	\$0.06805	\$0.04333	\$0.02271	\$0.00201
October 1, 2020	\$0.06791	\$0.04832	\$0.01757	\$0.00202
Post Acquisition:				
January 1, 2021	\$0.04729	\$0.03964	\$0.00591	\$0.00174
April 1, 2021	\$0.04944	\$0.04353	\$0.00504	\$0.00087
July 1, 2021	\$0.04952	\$0.04382	\$0.00499	\$0.00071 N

Pursuant to U-19-085(26)/U-19-091(25)/U-20-071(8)

Tariff Advice No.: 507-8

Issued by:

Effective: July 1, 2021

Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 8 9th Revision Sheet No. 97.5.2



Canceling

8th Revision Sheet No. 97.5.2



Chugach Electric Association, Inc.

**COST OF POWER ADJUSTMENT FACTOR HISTORY
(SERVICE AT CHUGACH RETAIL DELIVERY)**

For Rates Effective	Primary Voltage (Rate per kWh)			
	Total	Fuel	Purchased Power	FIW Adjustment Factor
October 1, 2019	\$0.06720	\$0.06382	\$0.00144	\$0.00194
November 1, 2019	\$0.06714	\$0.06376	\$0.00144	\$0.00194
January 1, 2020	\$0.06862	\$0.05946	\$0.00672	\$0.00244
April 1, 2020	\$0.06822	\$0.03927	\$0.02714	\$0.00181
July 1, 2020	\$0.06805	\$0.04333	\$0.02271	\$0.00201
October 1, 2020	\$0.06791	\$0.04832	\$0.01757	\$0.00202
Post Acquisition:				
January 1, 2021	\$0.04729	\$0.03964	\$0.00591	\$0.00174
April 1, 2021	\$0.04944	\$0.04353	\$0.00504	\$0.00087
July 1, 2021	\$0.04952	\$0.04382	\$0.00499	\$0.00071
October 1, 2021	\$0.04963	\$0.04367	\$0.00494	\$0.00102 N

Tariff Advice No. 512-8

Issued by:

Effective: October 1, 2021

Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 8 8th Revision Sheet No. 97.6.1



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7th Revision Sheet No. 97.6.1

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STATE OF ALASKA
REGULATORY COMMISSION OF ALASKA

Chugach Electric Association, Inc.

**COST OF POWER ADJUSTMENT FACTOR HISTORY
(SERVICE AT CHUGACH RETAIL SECONDARY VOLTAGE DELIVERY)**

For Rates Effective	Total	Secondary Voltage (Rate per kWh)		
		Fuel	Purchased Power	FIW Adjustment Factor
October 1, 2019	\$0.06770	\$0.06430	\$0.00145	\$0.00195
November 1, 2019	\$0.06764	\$0.06424	\$0.00145	\$0.00195
January 1, 2020	\$0.06913	\$0.05990	\$0.00677	\$0.00246
April 1, 2020	\$0.06873	\$0.03957	\$0.02734	\$0.00182
July 1, 2020	\$0.06857	\$0.04365	\$0.02289	\$0.00203
October 1, 2020	\$0.06841	\$0.04868	\$0.01770	\$0.00203
Post Acquisition:				
January 1, 2021	\$0.04766	\$0.03994	\$0.00596	\$0.00176
April 1, 2021	\$0.04980	\$0.04385	\$0.00508	\$0.00087
July 1, 2021	\$0.04989	\$0.04415	\$0.00503	\$0.00071 N

Pursuant to U-19-085(26)/U-19-091(25)/U-20-071(8)

Tariff Advice No.: 507-8

Issued by:

Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

Effective: July 1, 2021

RCA NO.: 8 9th Revision Sheet No. 97.6.1



Canceling

8th Revision Sheet No. 97.6.1



Chugach Electric Association, Inc.

**COST OF POWER ADJUSTMENT FACTOR HISTORY
(SERVICE AT CHUGACH RETAIL SECONDARY VOLTAGE DELIVERY)**

For Rates Effective	Total	Secondary Voltage (Rate per kWh)		
		Fuel	Purchased Power	FIW Adjustment Factor
October 1, 2019	\$0.06770	\$0.06430	\$0.00145	\$0.00195
November 1, 2019	\$0.06764	\$0.06424	\$0.00145	\$0.00195
January 1, 2020	\$0.06913	\$0.05990	\$0.00677	\$0.00246
April 1, 2020	\$0.06873	\$0.03957	\$0.02734	\$0.00182
July 1, 2020	\$0.06857	\$0.04365	\$0.02289	\$0.00203
October 1, 2020	\$0.06841	\$0.04868	\$0.01770	\$0.00203
Post Acquisition:				
January 1, 2021	\$0.04766	\$0.03994	\$0.00596	\$0.00176
April 1, 2021	\$0.04980	\$0.04385	\$0.00508	\$0.00087
July 1, 2021	\$0.04989	\$0.04415	\$0.00503	\$0.00071
October 1, 2021	\$0.05000	\$0.04400	\$0.00497	\$0.00103 N

Tariff Advice No. 512-8

Issued by:

Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

Effective: October 1, 2021

COST OF POWER ADJUSTMENT FACTORS AT G&T POST ACQUISITION

e.1. Fuel Adjustment Factor: Predicted Costs for the quarter beginning July 1, 2021

	Total	Retail	Seward
Natural Gas Fuel Expense by Contract			
AIX Energy, LLC (4/2016-3/2024)	\$0	\$0	\$0
BRU	\$4,493,214	\$4,355,505	\$137,709
Cook Inlet Energy (2014-3/2023)	\$0	\$0	\$0
Furie (11/2021-3/2023)	\$0	\$0	\$0
Hilcorp Alaska, LLC - Firm (1/2015-3/2028)	\$13,386,143	\$12,975,882	\$410,261
Hilcorp Alaska, LLC - Non-Firm (2/2021-8/2021)	\$0	\$0	\$0
Other Fuel Expenses			
Emergency Generator and Other Misc. Fuel	\$0	\$0	\$0
CINGSA - FSS, ISS and Fees	\$1,282,062	\$1,242,769	\$39,293
CINGSA - Gas Withdrawn	\$0	\$0	\$0
Gas Transportation and Compression	\$2,079,027	\$2,015,308	\$63,718
	\$21,240,445	\$20,589,465	\$650,981
Less Credits			
Economy Sales: Fuel and Margins	(\$519,725)	(\$503,796)	(\$15,929)
Wheeling Revenue	(\$246,308)	(\$238,759)	(\$7,549)
AWWU Water Sales	(\$105,000)	(\$101,782)	(\$3,218)
Pooling Agreement - MEA	(\$138,000)	(\$133,771)	(\$4,229)
Gas Exchange Revenue	\$0	\$0	\$0
Subtotal	(\$1,009,032)	(\$978,107)	(\$30,925)
Net Fuel Expense	\$20,231,413	\$19,611,357	\$620,056
Generation & Purchases (MWh)	491,697.9	476,868.0	14,829.8
Cost per MWh at Generation	\$41.15	\$41.13	\$41.81
Projected Balances as of June 30, 2021	\$369,370	\$369,370	\$0
Fuel Expense to be Recovered at G&T	\$20,600,783	\$19,980,727	\$620,056
Predicted Sales at G&T (MWh)	480,948.3	466,442.7	14,505.6
Fuel Adjustment Factor per kWh at G&T	\$0.04283	\$0.04284	----

*Not calculated. Seward is billed for actual cost of power on a monthly basis.

COST OF POWER ADJUSTMENT FACTORS AT G&T POST ACQUISITION

e.1. Fuel Adjustment Factor: Predicted Costs for the quarter beginning October 1, 2021

	Total	Retail	Seward
Natural Gas Fuel Expense by Contract			
AIX Energy, LLC (4/2016-3/2024)	\$0	\$0	\$0
BRU	\$4,918,231	\$4,792,307	\$125,924
Cook Inlet Energy (2014-3/2023)	\$0	\$0	\$0
Furie (11/2021-3/2023)	\$0	\$0	\$0
Hilcorp Alaska, LLC - Firm (1/2015-3/2028)	\$14,662,289	\$14,286,884	\$375,405
Hilcorp Alaska, LLC - Non-Firm (2/2021-8/2021)	\$0	\$0	\$0
Other Fuel Expenses			
Emergency Generator and Other Misc. Fuel	\$0	\$0	\$0
CINGSA - FSS, ISS and Fees	\$1,367,035	\$1,332,034	\$35,001
CINGSA - Gas Withdrawn	\$3,420,687	\$3,333,106	\$87,581
Gas Transportation and Compression	\$2,313,555	\$2,254,320	\$59,235
	\$26,681,798	\$25,998,652	\$683,146
Less Credits			
Economy Sales: Fuel and Margins	(\$696,728)	(\$678,890)	(\$17,839)
Wheeling Revenue	(\$144,865)	(\$141,156)	(\$3,709)
AWWU Water Sales	(\$105,000)	(\$102,312)	(\$2,688)
Pooling Agreement - MEA	(\$164,444)	(\$160,234)	(\$4,210)
Gas Exchange Revenue	\$0	\$0	\$0
Subtotal	(\$1,111,038)	(\$1,082,591)	(\$28,446)
Net Fuel Expense	\$25,570,760	\$24,916,061	\$654,699
Generation & Purchases (MWh)	570,062.4	555,804.0	14,258.4
Cost per MWh at Generation	\$44.86	\$44.83	\$45.92
Projected Balances as of September 30, 2021	(\$2,124,354)	(\$2,124,354)	\$0
Fuel Expense to be Recovered at G&T	\$23,446,406	\$22,791,707	\$654,699
Predicted Sales at G&T (MWh)	557,599.6	543,652.9	13,946.7
Fuel Adjustment Factor per kWh at G&T	\$0.04205	\$0.04192	----

*Not calculated. Seward is billed for actual cost of power on a monthly basis.

RCA NO.: 8 165th Revision Sheet No. 95



Canceling

164th Revision Sheet No. 95

Chugach Electric Association, Inc.

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STATE OF ALASKA
REGULATORY COMMISSION OF ALASKA

COST OF POWER ADJUSTMENT FACTORS POST ACQUISITION

f. 1. Actual fuel costs for the quarter ending March 31, 2021

Description	Total	Retail	Seward
Fuel Adjustment Factor Balance as of December 31, 2020	(\$849,664)	(\$849,664)	\$0
Fuel Expense for Quarter Ending March 31, 2021			
BRU	\$3,771,984	\$3,665,162	\$106,821
AIX Energy, LLC (4/2016-3/2024)	\$0	\$0	\$0
Hilcorp Alaska, LLC - Firm (1/2015-3/2028)	\$11,411,385	\$11,087,556	\$323,830
Hilcorp Alaska, LLC - Non-Firm (2/2021-8/2021)	\$735,548	\$714,483	\$21,065
Cook Inlet Energy (2014-3/2023)	\$0	\$0	\$0
Furie (11/2021 - 3/2023)	\$737,863	\$716,536	\$21,327
Emergency Generator and Diesel Fuel	\$855	\$832	\$23
CINGSA - FSS, ISS and Fees	\$818,251	\$794,779	\$23,472
CINGSA - Gas Withdrawn	\$4,329,283	\$4,207,658	\$121,625
Gas Transportation and Compression	\$1,689,280	\$1,641,387	\$47,893
Adjustment	\$0	\$0	\$0
Total Fuel and Transportation Expense	\$23,494,449	\$22,828,392	\$666,057
Less Credits			
Economy Sales: Fuel and Margins	(\$1,196,867)	(\$1,162,767)	(\$34,100)
AWWU Water Sales Revenue	(\$239,774)	(\$232,982)	(\$6,792)
Gas Exchange Revenue	\$103,493	\$100,429	\$3,064
Pooling Agreement - MEA	\$0	\$0	\$0
Wheeling Revenue	(\$420,346)	(\$408,409)	(\$11,937)
Subtotal	(\$1,753,494)	(\$1,703,729)	(\$49,765)
Net Fuel Expense	\$21,740,955	\$21,124,663	\$616,291
Generation & Purchases (MWh)	556,193	540,857	15,336
Cost per MWh at Generation	\$39.09	\$39.06	\$40.19
Total Fuel Cost Recovery	\$20,979,096	\$20,362,805	\$616,291
Quarter Balance	\$761,859	\$761,859	\$0

Tariff Advice No: 511-8 Issued by: Chugach Electric Association, Inc. Effective: November 1, 2021
P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 8 166th Revision Sheet No. 95



Canceling

165th Revision Sheet No. 95

Chugach Electric Association, Inc.



COST OF POWER ADJUSTMENT FACTORS POST ACQUISITION

f. 1. Actual fuel costs for the quarter ending June 30, 2021

Description	Total	Retail	Seward
Fuel Adjustment Factor Balance as of March 31, 2021	(\$87,805)	(\$87,805)	\$0
Fuel Expense for Quarter Ending June 30, 2021			
BRU	\$4,074,809	\$3,946,105	\$128,704
AIX Energy, LLC (4/2016-3/2024)	\$0	\$0	\$0
Hilcorp Alaska, LLC - Firm (1/2015-3/2028)	\$11,955,568	\$11,578,567	\$377,001
Hilcorp Alaska, LLC - Non-Firm (2/2021-8/2021)	\$1,292,950	\$1,252,436	\$40,514
Cook Inlet Energy (2014-3/2023)	\$0	\$0	\$0
Furie (11/2021-3/2023)	\$549,428	\$532,234	\$17,194
Emergency Generator and Diesel Fuel	\$761	\$738	\$24
CINGSA - FSS, ISS and Fees	\$1,172,296	\$1,135,253	\$37,043
CINGSA - Gas Withdrawn	\$436,742	\$422,803	\$13,939
Gas Transportation and Compression	\$1,621,239	\$1,570,075	\$51,164
Adjustment	\$0	\$0	\$0
Total Fuel and Transportation Expense	\$21,103,794	\$20,438,211	\$665,583
Less Credits			
Economy Sales: Fuel and Margins	(\$1,590,498)	(\$1,540,667)	(\$49,831)
AWWU Water Sales Revenue	\$16,801	\$16,393	\$408
Gas Exchange Revenue	(\$139,805)	(\$135,426)	(\$4,379)
Pooling Agreement - MEA	(\$119,184)	(\$115,419)	(\$3,764)
Wheeling Revenue	(\$489,796)	(\$474,397)	(\$15,399)
Subtotal	(\$2,322,481)	(\$2,249,516)	(\$72,965)
Net Fuel Expense	\$18,781,313	\$18,188,695	\$592,618
Generation & Purchases (MWh)	479,289	464,555	14,735
Cost per MWh at Generation	\$39.19	\$39.15	\$40.22
Total Fuel Cost Recovery	\$20,480,641	\$19,888,023	\$592,618
Quarter Balance	(\$1,699,328)	(\$1,699,328)	\$0

Tariff Advice No. 512-8 Issued by: Chugach Electric Association, Inc. Effective: November 1, 2021
P.O. Box 196300 Anchorage, Alaska 99519-6300

RCA NO.: 8 103rd Revision Sheet No. 95.5



Canceling

102nd Revision Sheet No. 95.5

Chugach Electric Association, Inc.

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STATE OF ALASKA
REGULATORY COMMISSION OF ALASKA

SUMMARY OF ACTUAL AND PROJECTED COST OF POWER POST ACQUISITION

Description	Actual - Quarter Ended March 2021			Projected - Quarter Ended September 2021		
	Volume ¹	Unit Cost	Total Cost	Volume	Unit Cost	Total Cost
Fuel Expense						
BRU	1,381,679	\$2.73	\$3,771,984	1,325,432	\$3.39	\$4,493,214
AIX Energy, LLC (4/2016-3/2024)	----	\$0.00	\$0	----	\$0.00	\$0
Hilcorp Alaska, LLC - Firm (1/2015-3/2028)	1,523,533	\$7.49	\$11,411,260	1,772,999	\$7.55	\$13,386,143
Hilcorp Alaska, LLC - Non-Firm (2/2021-8/2021)	93,700	\$7.85	\$735,548	----	\$0.00	\$0
Cook Inlet Energy (2014-3/2023)	----	\$0.00	\$0	----	\$0.00	\$0
Furie (11/2021 - 3/2023)	90,418	\$7.85	\$671,570	----	\$0.00	\$0
CINGSA - FSS, ISS and Fees	----	\$0.00	\$818,251	----	\$0.00	\$1,282,062
CINGSA - Gas Withdrawn	580,459	\$7.46	\$4,329,283	----	\$0.00	\$0
Emergency Generator and Diesel Fuel	----	----	\$855	----	----	\$0
Gas Transportation and Compression	----	----	\$1,689,280	----	----	\$2,079,027
Adjustment	8,875	\$7.48	\$66,419	----	\$0.00	\$0
Subtotal	3,678,664	\$6.39	\$23,494,449	3,098,431	\$6.86	\$21,240,445
Purchased Power Expense						
Bradley Lake Purchases, MWh	64,097	\$45.75	\$2,932,379	54,600	\$35.64	\$1,945,869
FIW Renewable Resource Exp.	12,984	\$97.11	\$1,260,876	7,824	\$97.00	\$758,952
Non-Utility Generation	47	\$89.84	\$4,259	----	\$0.00	\$0
Other Purchases, MWh	----	----	\$96,401	----	----	\$124,011
Subtotal	77,129	\$55.67	\$4,293,915	62,425	\$45.32	\$2,828,832
Total Fuel & Purch. Power Expense	----	----	\$27,788,364	----	----	\$24,069,277

¹ Fuel volumes from invoices.

Tariff Advice No: 511-8

Issued by:
Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

Effective: November 1, 2021

RCA NO.: 8 104th Revision Sheet No. 95.5



Canceling

103rd Revision Sheet No. 95.5

Chugach Electric Association, Inc.



SUMMARY OF ACTUAL AND PROJECTED COST OF POWER POST ACQUISITION

Description	Actual - Quarter Ended June 2021			Projected - Quarter Ended December 2021		
	Volume ¹	Unit Cost	Total Cost	Volume	Unit Cost	Total Cost
Fuel Expense						
BRU	1,202,009	\$3.39	\$4,074,809	1,373,807	\$3.58	\$4,918,231
AIX Energy, LLC (4/2016-3/2024)	----	\$0.00	\$0	----	\$0.00	\$0
Hilcorp Alaska, LLC - Firm (1/2015-3/2028)	1,555,379	\$7.55	\$11,743,110	1,942,025	\$7.55	\$14,662,289
Hilcorp Alaska, LLC - Non-Firm (2/2021-8/2021)	167,867	\$7.70	\$1,292,950	----	\$0.00	\$0
Cook Inlet Energy (2014-3/2023)	----	\$0.00	\$0	----	\$0.00	\$0
Furie (11/2021-3/2023)	58,146	\$7.47	\$434,349	----	\$0.00	\$0
CINGSA - FSS, ISS and Fees	----	----	\$1,172,296	----	----	\$1,367,035
CINGSA - Gas Withdrawn	59,072	\$7.39	\$436,742	446,565	\$7.66	\$3,420,687
Emergency Generator and Diesel Fuel	----	----	\$761	----	----	\$0
Gas Transportation and Compression	----	----	\$1,621,239	----	----	\$2,313,555
Adjustment	43,545	\$7.52	\$327,539	0	\$0.00	\$0
Subtotal	3,086,018	\$6.84	\$21,103,794	3,762,398	\$7.09	\$26,681,798
Purchased Power Expense						
Bradley Lake Purchases, MWh	56,580	\$56.31	\$3,186,221	52,870	\$38.48	\$2,034,645
FIW Renewable Resource Exp.	12,516	\$97.08	\$1,215,043	13,168	\$97.00	\$1,277,250
Non-Utility Generation	53	----	\$14,276	----	\$0.00	\$0
Other Purchases, MWh	----	----	\$108,993	----	----	\$255,869
Subtotal	69,150	\$65.43	\$4,524,533	66,038	\$54.03	\$3,567,764
Total Fuel & Purch. Power Expense	----	----	\$25,628,327	----	----	\$30,249,562

¹ Fuel volumes from invoices.

Tariff Advice No. 512-8

Issued by:
Chugach Electric Association, Inc.
P.O. Box 196300 Anchorage, Alaska 99519-6300

Effective: November 1, 2021